Summary

Total Test Objects:	6
Successful:	6
Failed:	0
Not Executed:	0
Date:	2015-09-15
Time:	13:04:48+0530

Overall Test Object Results (including Coverage)
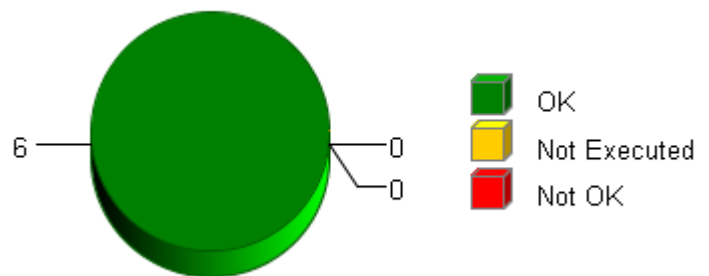
Selected Project Items

Test Object "CBD_UnitTest/VehDyn/Autocenter_f32"
Test Object "CBD_UnitTest/VehDyn/VehDyn_Init1"
Test Object "CBD_UnitTest/VehDyn/VehDyn_Per1"
Test Object "CBD_UnitTest/VehDyn/VehDyn_SCom_ForceCenter"
Test Object "CBD_UnitTest/VehDyn/VehDyn_SCom_ResetCenter"
Test Object "CBD_UnitTest/VehDyn/VehDyn_Trns1"

Used Test Environments

TI TMS 570 PLS UDE (Default)

Batch Operation Settings

|	
Check Interface:	No
Generate Driver:	No
Execute Test:	Yes
Create New Test Run:	No
Instrumentation:	Test Object Only
Coverage:	Statement Coverage, Branch Coverage, Decision Coverage, Modified Condition / Decision Coverage, Multiple Condition Coverage

Test Case Results for Each Test Object (without Coverage)
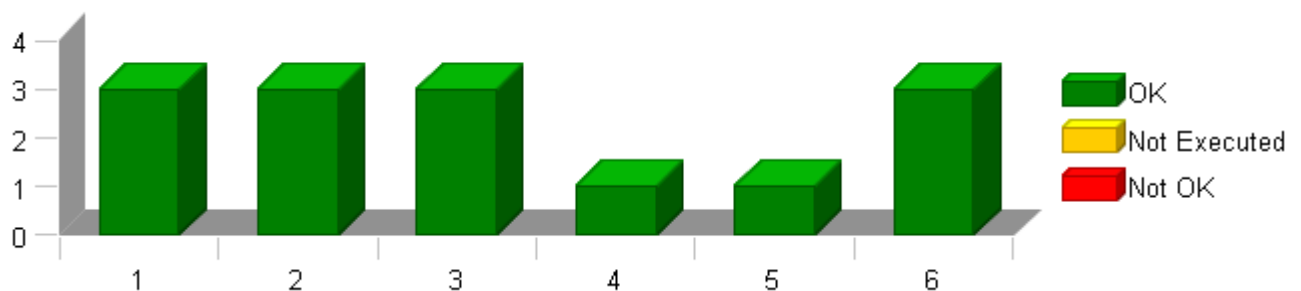
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results

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

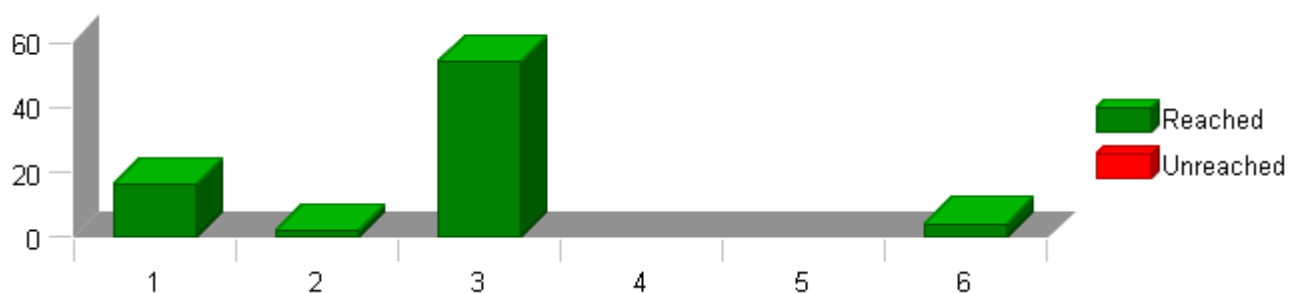## Statement (C0) Coverage: Total Statements for Each Test Object
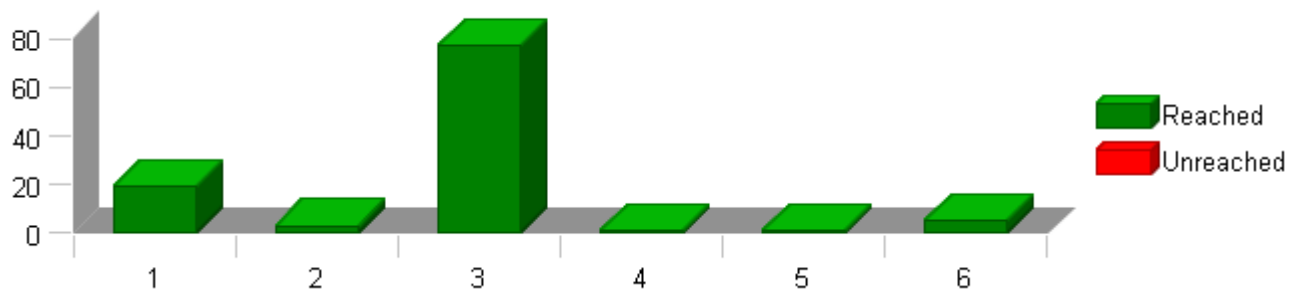
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

Branch (C1) Coverage: Total Branches for Each Test Object
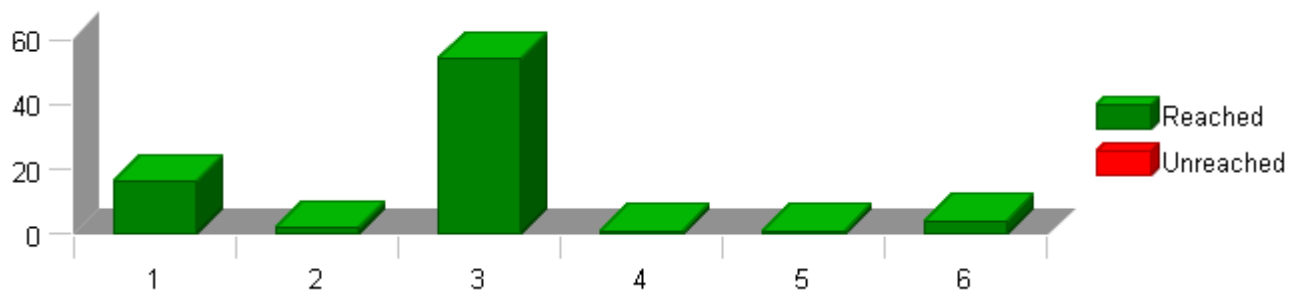
The table above shows each test object on the x axis and the number of branches of the respective test object on the y axis. Each bar is divided into reached branches (i.e. branches that have been executed during the test) and unreached branches.
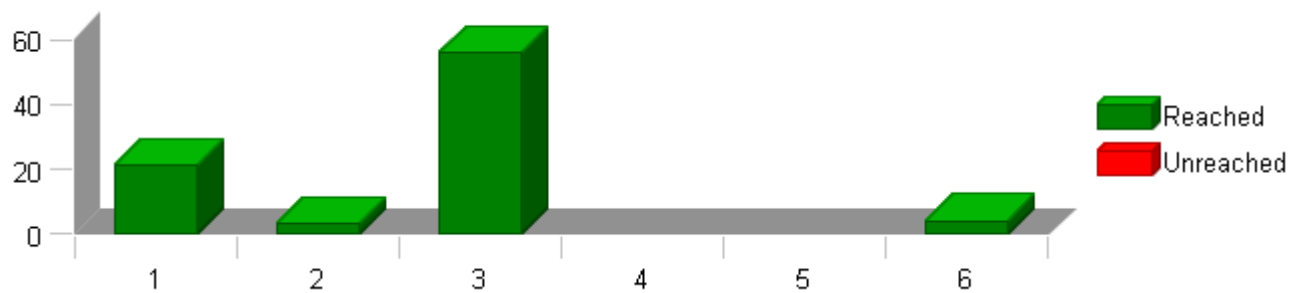
Decision Coverage: Total Decision Outcomes for Each Test Object

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

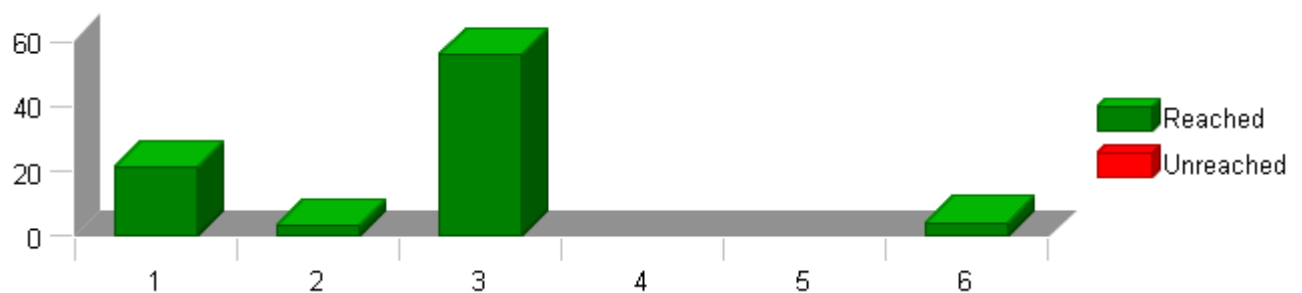Each bar is divided into reached and unreached decision outcomes.

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

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

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

MCC Coverage: Total Condition Combinations for Each Test Object

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

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

Test Object List

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

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

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	VehDyn	100 %	100 %	100 %	100 %	100 %	14 of 14 passed	✔
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	14 of 14 passed	✔
	VehDyn	100 %	100 %	100 %	100 %	100 %	14 of 14 passed	✔
1	Autocenter_f32	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
2	VehDyn_Init1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
3	VehDyn_Per1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
4	VehDyn_SCom_ForceCenter	100 %	100 %	-	-	-	1 of 1 passed	✔
5	VehDyn_SCom_ResetCenter	100 %	100 %	-	-	-	1 of 1 passed	✔
6	VehDyn_Trns1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔

Project	VehDyn
Module	VehDyn
Test Object	VehDyn_SCom_ResetCenter

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	✔
Failed	0	
Not Executed	0	

Module Properties

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

Comments/Description/Specification	
Name	**Text**
Module 'VehDyn'	********************************UNIT TEST INFORMATION** Name of Tester:Spoorti Mali Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:8 Module Design Document:VehDyn_MDD.docx Module Design Document Version:9 Data Dictionary Version:10 Unit Test Plan Version:6 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2278 Total RAM Used (Bytes):201 Total CALS Used (Bytes):115 Special Test Requirements: Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference." ***

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

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	target_Pim_MotPosReset		

Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Project	VehDyn
Module	VehDyn
Test Object	VehDyn_Trns1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3
Successful	3 ✔
Failed	0
Not Executed	0

Module Properties

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

Comments/Description/Specification	
Name	**Text**
Module 'VehDyn'	********************************UNIT TEST INFORMATION*** Name of Tester:Spoorti Mali Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:8 Module Design Document:VehDyn_MDD.docx Module Design Document Version:9 Data Dictionary Version:10 Unit Test Plan Version:6 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2278 Total RAM Used (Bytes):201 Total CALS Used (Bytes):115 Special Test Requirements: Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference." **

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

Attributes	
Name	**Value**
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)

CPU Cycles:

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

Description   Vector Description:

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

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.291999996
k_SysKinRatio_MtrDegpHwDeg_f32	71.3000031
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	778.25
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	1

Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	100
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	1600
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	1
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	1

Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600	1600	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Case 2: Boundary Test ✔

Specification	
	Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) CPU Cycles: TS2.1 534.00 Cycles TS2.2 584.00 Cycles TS2.3 534.00 Cycles TS2.4 534.00 Cycles TS2.5 534.00 Cycles TS2.6 534.00 Cycles TS2.7 534.00 Cycles TS2.8 534.00 Cycles TS2.9 534.00 Cycles TS2.10 534.00 Cycles TS2.11 534.00 Cycles TS2.12 534.00 Cycles TS2.13 580.00 Cycles TS2.14 534.00 Cycles TS2.15 534.00 Cycles TS2.16 580.00 Cycles TS2.17 580.00 Cycles TS2.18 580.00 Cycles TS2.19 580.00 Cycles TS2.20 534.00 Cycles

Description

Vector Description:

TS 2.1 All Min
TS 2.2 All Max
TS 2.3 HandwheelPosition_HwDeg_f32 = Min
TS 2.4 HandwheelPosition_HwDeg_f32 = Max
TS 2.5 HandwheelPosition_HwDeg_f32 = Zero
TS 2.6 HandwheelPosition_HwDeg_f32 = Pos
TS 2.7 HandwheelPosition_HwDeg_f32 = Neg
TS 2.8 HwAuth_Uls_f32 = Min
TS 2.9 HwAuth_Uls_f32 = Max
TS 2.10 HwAuth_Uls_f32 = Pos
TS 2.11 k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Min
TS 2.12 k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Max
TS 2.13 k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Pos
TS 2.14 k_SLPMinHwAuthToStoreHwPos_Uls_f32 = Default
TS 2.15 MechMtrPos1_Rev_f32=Min
TS 2.16 MechMtrPos1_Rev_f32=Max
TS 2.17 k_SysKinRatio_MtrDegpHwDeg_f32=Min
TS 2.18 k_SysKinRatio_MtrDegpHwDeg_f32=Max
TS 2.19 k_SysKinRatio_MtrDegpHwDeg_f32=Pos
TS 2.20 k_SysKinRatio_MtrDegpHwDeg_f32=Default

Test Step 2.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_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.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-1600
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0

Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600	-1600	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 2.2 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	100
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	1600
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	1
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	1

Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600	1600	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 2.3 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.112000003
k_SysKinRatio_MtrDegpHwDeg_f32	100
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-1600
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.170000002
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	1

Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600	-1600	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 2.4 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.148000002
k_SysKinRatio_MtrDegpHwDeg_f32	32.4000015
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	1600
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.976800025
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.0599999987

Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1599.33337	1599.33337	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 2.5 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2

Name	Input Value		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.184		
k_SysKinRatio_MtrDegpHwDeg_f32	45.7000008		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	0		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.966600001		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.109999999		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-0.866520762	-0.866520762	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 2.6 (Repeat Count = 1)   ✔

Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.219999999		
k_SysKinRatio_MtrDegpHwDeg_f32	54.2999992		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	1458.12		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.956399977		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.159999996		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1457.0592	1457.0592	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 2.7 (Repeat Count = 1)   ✔

Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.256000012		
k_SysKinRatio_MtrDegpHwDeg_f32	67.4000015		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-145.25		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.946200013		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.209999993		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-146.371658	-146.371658	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 2.8 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.291999996
k_SysKinRatio_MtrDegpHwDeg_f32	71.3000031
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2

Name	Input Value		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	778.25		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.25999999		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 2.9 (Repeat Count = 1)			✔
Name	**Input Value**		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.328000009		
k_SysKinRatio_MtrDegpHwDeg_f32	78.5999985		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-887.200012		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	1		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.310000002		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-888.619873	-888.619873	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 2.10 (Repeat Count = 1)			✔
Name	**Input Value**		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.363999993		
k_SysKinRatio_MtrDegpHwDeg_f32	80.1999969		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	989.140015		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.915600002		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.360000014		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	987.524048	987.524048	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 2.11 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0	
k_SysKinRatio_MtrDegpHwDeg_f32	83.5999985	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2	
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	

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

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 2.12 (Repeat Count = 1)			✔
Name	**Input Value**		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	1		
k_SysKinRatio_MtrDegpHwDeg_f32	88.5999985		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-245.100006		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.895200014		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.460000008		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	0	✔

Test Step Call Trace				✔
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_Uls_f32	0.472000003		
k_SysKinRatio_MtrDegpHwDeg_f32	90.1999969		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	893.23999		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.88499999		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.50999999		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	895.195618	895.195679	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 2.14 (Repeat Count = 1) ✔

Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.100000001		
k_SysKinRatio_MtrDegpHwDeg_f32	78.5999985		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-887.200012		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	1		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.310000002		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-888.619873	-888.619873	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step 2.15 (Repeat Count = 1) ✔

Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.344999999		
k_SysKinRatio_MtrDegpHwDeg_f32	93.4000015		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	389.399994		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.776000023		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	389.399994	389.399994	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step 2.16 (Repeat Count = 1) ✔

Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.467000008		
k_SysKinRatio_MtrDegpHwDeg_f32	95.4000015		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-876.5		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.563000023		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	1		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-876.5	-876.5	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step 2.17 (Repeat Count = 1) ✔

Name	Input Value		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.233999997		
k_SysKinRatio_MtrDegpHwDeg_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.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	290.600006		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.344999999		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.699999988		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	398.600006	398.600006	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step 2.18 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.123000003
k_SysKinRatio_MtrDegpHwDeg_f32	100
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	391.700012
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.234999999
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.800000012

Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	392.420013	392.420013	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step 2.19 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.112000003
k_SysKinRatio_MtrDegpHwDeg_f32	23.7000008
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-658.900024
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.128000006
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.899999976

Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-657.381042	-657.381042	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step 2.20 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.219999999
k_SysKinRatio_MtrDegpHwDeg_f32	22
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	1458.12
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0.956399977
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0.159999996

Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1455.50183	1455.50183	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Case 3: Path Test ✔

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

CPU Cycles:

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

Description   Vector Description:

TS 3.1(HandWheelAuth_Uls_T_f32 >= k_SLPMinHwAuthToStoreHwPos_Uls_f32)=True && (MechMtrPos1_Rev_T_f32 > D_HALFREV_ULS_F32)=False
TS 3.2(MechMtrPos1_Rev_T_f32 > D_HALFREV_ULS_F32)=True
TS 3.3(HandWheelAuth_Uls_T_f32 >= k_SLPMinHwAuthToStoreHwPos_Uls_f32)=False

Test Step 3.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0
k_SysKinRatio_MtrDegpHwDeg_f32	1
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	-1600
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	0

Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600	-1600	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 3.2 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_SLPMinHwAuthToStoreHwPos_Uls_f32	1
k_SysKinRatio_MtrDegpHwDeg_f32	100
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	1600
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	1
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	1

Name	Actual Value	Expected Value	Result
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600	1600	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	Rte_Call_Ap_VehDyn_NVM_VehDynReset_Srv_WriteBlock	1	✔

Test Step 3.3 (Repeat Count = 1)			✔
Name	**Input Value**		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_SLPMinHwAuthToStoreHwPos_Uls_f32	0.291999996		
k_SysKinRatio_MtrDegpHwDeg_f32	71.3000031		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HandwheelPosition_HwDeg_f32	target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_HwAuth_Uls_f32	target_VehDyn_Trns1_HwAuth_Uls_f32_2		
target_Rte_Inst_Ap_VehDyn_2.VehDyn_Trns1_MechMtrPos1_Rev_f32	target_VehDyn_Trns1_MechMtrPos1_Rev_f32		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
target_VehDyn_Trns1_HandwheelPosition_HwDeg_f32_2.value	778.25		
target_VehDyn_Trns1_HwAuth_Uls_f32_2.value	0		
target_VehDyn_Trns1_MechMtrPos1_Rev_f32.value	1		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0	0	✔
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	0	0	✔

Project	VehDyn
Module	VehDyn
Test Object	VehDyn_Init1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3
Successful	3 ✔
Failed	0
Not Executed	0

Module Properties

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

Comments/Description/Specification	
Name	**Text**
Module 'VehDyn'	********************************UNIT TEST INFORMATION*** Name of Tester:Spoorti Mali Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:8 Module Design Document:VehDyn_MDD.docx Module Design Document Version:9 Data Dictionary Version:10 Unit Test Plan Version:6 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2278 Total RAM Used (Bytes):201 Total CALS Used (Bytes):115 Special Test Requirements: Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference." ***

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

Attributes	
Name	**Value**
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) CPU Cycles: TS1.1 3995.00 Cycles Shortest Execution Path TS1.2 4064.00 Cycles Longest Execution Path
Description	Vector Description: TS1.1Shortest Execution Path=>(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE) && (((FaultBFActive_Cnt_T_lgc & k_SLPEnableBFCheck_Cnt_lgc) == FALSE)))=FALSE TS1.2Longest Execution Path=>(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE) && (((FaultBFActive_Cnt_T_lgc & k_SLPEnableBFCheck_Cnt_lgc) == FALSE)))=TRUE

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	16.8675175
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00779999979
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	511.249969
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	2.49991417
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	119.398392
k_AutoCntrHiSpdTimer1_mS_u16	19956
k_AutoCntrHiSpdTimer2_mS_u16	1111
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	47.1357269
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	577.715271
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.6059322
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	69.9332428
k_AutoCntrHiSpdTimer4_mS_u16	47307
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	97.2305069
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0350000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0649999976
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	0
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.4742603
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	113.628799
k_AutoCntrLoSpdTimer1_mS_u16	49475
k_AutoCntrLoSpdTimer2_mS_u16	38708
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.00120000006
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1425.14795
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	1720406272

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	577.715271	577.715271 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	69.9332428	69.9332428 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.6059322	18.6059322 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	47.1357269	47.1357269 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	19956	19956 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	47307	47307 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1720406272	1720406272	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1720406272	1720406272	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000816464424	0.000816480606 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	511.249969	511.249969 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	119.398392	119.398392 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.49991417	2.49991417 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	16.8675175	16.8675175 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	19956	19956 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1111	1111 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1720406272	1720406272	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1720406272	1720406272	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0	0 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	113.628799	113.628799 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.4742603	16.4742603 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.2305069	97.2305069 ± 0.0625	✔

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

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

Test Step 1.2 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	100	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.100000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.100000001	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	700	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	255	
k_AutoCntrHiSpdTimer1_mS_u16	60000	
k_AutoCntrHiSpdTimer2_mS_u16	60000	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	100	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	700	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	255	
k_AutoCntrHiSpdTimer4_mS_u16	60000	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	100	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.100000001	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.100000001	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	700	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	20	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	255	
k_AutoCntrLoSpdTimer1_mS_u16	60000	
k_AutoCntrLoSpdTimer2_mS_u16	60000	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.100000001	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	1	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	4294967295	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000	60000 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000	60000 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	✔

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

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

Test Case 2: Boundary Test ✔

Test Case 2: Boundary Test

Specification

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

CPU Cycles:
TS2.1 4053.00 Cycles
TS2.2 3974.00 Cycles
TS2.3 3945.00 Cycles
TS2.4 3945.00 Cycles
TS2.5 3945.00 Cycles
TS2.6 3945.00 Cycles
TS2.7 3945.00 Cycles
TS2.8 3945.00 Cycles
TS2.9 3945.00 Cycles
TS2.10 3945.00 Cycles
TS2.11 3945.00 Cycles
TS2.12 3945.00 Cycles
TS2.13 3945.00 Cycles
TS2.14 3945.00 Cycles
TS2.15 3945.00 Cycles
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TS2.79 3945.00 Cycles
TS2.80 3945.00 Cycles
TS2.81 3945.00 Cycles
TS2.82 3945.00 Cycles
TS2.83 3945.00 Cycles
TS2.84 3945.00 Cycles
TS2.85 3945.00 Cycles
TS2.86 3945.00 Cycles
TS2.87 3945.00 Cycles
TS2.88 3945.00 Cycles
TS2.89 3945.00 Cycles
TS2.90 3945.00 Cycles
TS2.91 3945.00 Cycles
TS2.92 3945.00 Cycles
TS2.93 3945.00 Cycles
TS2.94 3945.00 Cycles
TS2.95 3945.00 Cycles
TS2.96 3945.00 Cycles
TS2.97 3945.00 Cycles
TS2.98 3945.00 Cycles
TS2.99 3945.00 Cycles
TS2.100 3945.00 Cycles
```

| Description | Vector Description: |

TS 2.1All Min
TS 2.2All Max
TS 2.3k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Min
TS 2.4k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Max
TS 2.5k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Pos
TS 2.6k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32==>Default
TS 2.7k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Min
TS 2.8k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Max
TS 2.9k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Pos
TS 2.10k_AutoCntrLoSpdTimer1VehSpd_kph_f32==>Default
TS 2.11k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Min
TS 2.12k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Max
TS 2.13k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Pos
TS 2.14k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32==>Default
TS 2.15k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Min
TS 2.16k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Max
TS 2.17k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Pos
TS 2.18k_AutoCntrLoSpdCntrWindow_HwDeg_f32==>Default
TS 2.19k_AutoCntrLoSpdTimer1_mS_u16==>Min
TS 2.20k_AutoCntrLoSpdTimer1_mS_u16==>Max
TS 2.21k_AutoCntrLoSpdTimer1_mS_u16==>Pos/Default
TS 2.22k_AutoCntrLoSpdTimer2_mS_u16==>Min
TS 2.23k_AutoCntrLoSpdTimer2_mS_u16==>Max
TS 2.24k_AutoCntrLoSpdTimer2_mS_u16==>Pos/Default
TS 2.25k_AutoCntrLoSpdFilt1Kn_Hz_f32==>Min
TS 2.26k_AutoCntrLoSpdFilt1Kn_Hz_f32==>Max
TS 2.27k_AutoCntrLoSpdFilt1Kn_Hz_f32==>Pos
TS 2.28k_AutoCntrLoSpdFilt2Kn_Hz_f32==>Min
TS 2.29k_AutoCntrLoSpdFilt2Kn_Hz_f32==>Max
TS 2.30k_AutoCntrLoSpdFilt2Kn_Hz_f32==>Pos/Default
TS 2.31k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Min
TS 2.32k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Max
TS 2.33k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Pos
TS 2.34k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32==>Deafult
TS 2.35k_AutoCntrHiSpdTimer4VehSpd_kph_f32==>Min
TS 2.36k_AutoCntrHiSpdTimer4VehSpd_kph_f32==>Max
TS 2.37k_AutoCntrHiSpdTimer4VehSpd_kph_f32==>Pos
TS 2.38k_AutoCntrHiSpdTimer4VehSpd_kph_f32==>Default
TS 2.39k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Min
TS 2.40k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Max
TS 2.41k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Pos
TS 2.42k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32==>Default
TS 2.43k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Min
TS 2.44k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Max
TS 2.45k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Pos
TS 2.46k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32==>Default
TS 2.47k_AutoCntrHiSpdTimer1_mS_u16==>Min
TS 2.48k_AutoCntrHiSpdTimer1_mS_u16==>Max
TS 2.49k_AutoCntrHiSpdTimer1_mS_u16==>Pos/Default
TS 2.50k_AutoCntrHiSpdTimer4_mS_u16==>Min
TS 2.51k_AutoCntrHiSpdTimer4_mS_u16==>Max
TS 2.52k_AutoCntrHiSpdTimer4_mS_u16==>Pos/Default
TS 2.53k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32==>Min
TS 2.54k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32==>Max
TS 2.55k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32==>Pos
TS 2.56k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32==>Default
TS 2.57k_AutoCntrHiSpdTimer1VehSpd_kph_f32==>Min
TS 2.58k_AutoCntrHiSpdTimer1VehSpd_kph_f32==>Max
TS 2.59k_AutoCntrHiSpdTimer1VehSpd_kph_f32==>Pos
TS 2.60k_AutoCntrHiSpdTimer1VehSpd_kph_f32==>Deafult
TS 2.61k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Min
TS 2.62k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Max
TS 2.63k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Pos
TS 2.64k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32==>Deafult
TS 2.65k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Min
TS 2.66k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Max
TS 2.67k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Pos
TS 2.68k_AutoCntrHiSpdCntrWindow_HwDeg_f32==>Default
TS 2.69k_AutoCntrHiSpdTimer2_mS_u16==>Min
TS 2.70k_AutoCntrHiSpdTimer2_mS_u16==>Max
TS 2.71k_AutoCntrHiSpdTimer2_mS_u16==>Pos/Default
TS 2.72k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Min
TS 2.73k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Max
TS 2.74k_AutoCntrHiSpdFilt1Kn_Hz_f32==>Pos/Default
TS 2.75k_AutoCntrHiSpdFilt2Kn_Hz_f32==>Min
TS 2.76k_AutoCntrHiSpdFilt2Kn_Hz_f32==>Max
TS 2.77k_AutoCntrHiSpdFilt2Kn_Hz_f32==>Pos
TS 2.78k_AutoCntrPinTrqLPFCoeffKn_Hz_f32==>Min
TS 2.79k_AutoCntrPinTrqLPFCoeffKn_Hz_f32==>Max
TS 2.80k_AutoCntrPinTrqLPFCoeffKn_Hz_f32==>Pos
TS 2.81VehDyn_PinTrqSV_M_Str.K==>Min
TS 2.82VehDyn_PinTrqSV_M_Str.K==>Max
TS 2.83VehDyn_PinTrqSV_M_Str.K==>Pos
TS 2.84Rte_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc = Min
TS 2.85Rte_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc = Max
TS 2.86k_SLPEnableBFCheck_Cnt_lgc = Min
TS 2.87k_SLPEnableBFCheck_Cnt_lgc = Max
TS 2.88k_SLPHwAuthority_Uls_f32 = Min
TS 2.89k_SLPHwAuthority_Uls_f32 = Max
TS 2.90k_SLPHwAuthority_Uls_f32 = Pos/Default
TS 2.91Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Min
TS 2.92Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Max
TS 2.93Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Zero
TS 2.94Rte_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32 = Pos

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

Test Step 2.1 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	0
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.000199999995
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.000199999995
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	0
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	0
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	0
k_AutoCntrHiSpdTimer1_mS_u16	0
k_AutoCntrHiSpdTimer2_mS_u16	0
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	0
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	0
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	0
k_AutoCntrHiSpdTimer4_mS_u16	0
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	0
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.000199999995
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.NVMStoredLastPos_HwDeg_f32	-1600
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	0

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.2 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	100
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.100000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.100000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	700
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	255
k_AutoCntrHiSpdTimer1_mS_u16	60000
k_AutoCntrHiSpdTimer2_mS_u16	60000
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	100
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	700
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	255
k_AutoCntrHiSpdTimer4_mS_u16	60000
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	100
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.100000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.100000001
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	700
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	20
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	255
k_AutoCntrLoSpdTimer1_mS_u16	60000
k_AutoCntrLoSpdTimer2_mS_u16	60000
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.100000001
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	1
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	4294967295

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

Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	✓
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✓
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✓

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

Test Step 2.3 (Repeat Count = 1)		✓
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	16.8675175	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00779999979	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	511.249969	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	2.49991417	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	119.398392	
k_AutoCntrHiSpdTimer1_mS_u16	19956	
k_AutoCntrHiSpdTimer2_mS_u16	1111	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	47.1357269	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	577.715271	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.6059322	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	69.9332428	
k_AutoCntrHiSpdTimer4_mS_u16	47307	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	97.2305069	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0350000001	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0649999976	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	0	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.4742603	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	113.628799	
k_AutoCntrLoSpdTimer1_mS_u16	49475	
k_AutoCntrLoSpdTimer2_mS_u16	38708	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.00120000006	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1425.14795	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	1720406272	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	577.715271	577.715271 ± 0.2	✓
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	69.9332428	69.9332428 ± 0.5	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.6059322	18.6059322 ± 0.04	✓
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	47.1357269	47.1357269 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	19956	19956 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	47307	47307 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1720406272	1720406272	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1720406272	1720406272	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000816464424	0.000816480606 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	511.249969	511.249969 ± 0.2	✓
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	119.398392	119.398392 ± 0.5	✓
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.49991417	2.49991417 ± 0.04	✓
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	16.8675175	16.8675175 ± 0.0625	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	19956	19956 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1111	1111 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1720406272	1720406272	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1720406272	1720406272	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0	0 ± 0.2	✓
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	113.628799	113.628799 ± 0.5	✓
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.4742603	16.4742603 ± 0.04	✓
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.2305069	97.2305069 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	49475	49475 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	38708	38708 ± 2	✓

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

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

Test Step 2.4 (Repeat Count = 1)			✓
Name	**Input Value**		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
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.NVMStoredLastPos_HwDeg_f32	1401.11499		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2659241984		
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	107.436508	107.436508 ± 0.2	✓
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	172.71106	172.71106 ± 0.5	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.2259359	10.2259359 ± 0.04	✓
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.5802307	45.5802307 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	27095	27095 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	28327	28327 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2659241984	2659241984	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	202.264374	202.264374 ± 0.2	✓
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	125.628113	125.628113 ± 0.5	✓
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.9387646	16.9387646 ± 0.04	✓
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	95.4768982	95.4768982 ± 0.0625	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	27095	27095 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2222	2222 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2659241984	2659241984	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700	700 ± 0.2	✓
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	69.8743896	69.8743896 ± 0.5	✓

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

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

Test Step 2.5 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	33.3349724	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0299999993	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	59.5372696	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	4.59798193	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	156.923325	
k_AutoCntrHiSpdTimer1_mS_u16	55627	
k_AutoCntrHiSpdTimer2_mS_u16	3333	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	35.0511017	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	556.066528	
k_AutoCntrHiSpdTimer4PinTrq_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_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	10.878334	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	223.371994	
k_AutoCntrLoSpdTimer1_mS_u16	53759	
k_AutoCntrLoSpdTimer2_mS_u16	18715	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.0143999998	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1377.08203	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	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	0.000841592497 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	59.5372696	59.5372696 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156.923325	156.923325 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.59798193	4.59798193 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	33.3349724	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.Timer2_mS_u32	2942063360	2942063360	✔

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

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

Test Step 2.6 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	85.3555756	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961	
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	30	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	123.501587	
k_AutoCntrLoSpdTimer1_mS_u16	29729	
k_AutoCntrLoSpdTimer2_mS_u16	2000	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.113399997	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1016.58698	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2728878080	

Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	578.624756	578.624756 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	182.197632	182.197632 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.2086525	10.2086525 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	50.4557152	50.4557152 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	37774	37774 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27106	27106 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	192.424347	192.424347 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	193.415466	193.415466 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.4601928	1.4601928 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.3555756	85.3555756 ± 0.0625	✔

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

Test Step 2.7 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	96.3896027
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0458000004
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	498.457764
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	153.084564
k_AutoCntrHiSpdTimer1_mS_u16	26438
k_AutoCntrHiSpdTimer2_mS_u16	4444
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	4.91284609
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	300.483093
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0.609106064
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	97.2060852
k_AutoCntrHiSpdTimer4_mS_u16	14136
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	84.7982025
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00600000005
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	202
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	15.8976202
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	0
k_AutoCntrLoSpdTimer1_mS_u16	13352
k_AutoCntrLoSpdTimer2_mS_u16	14442
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.0209999997
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1353.04895
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	1117112832

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	300.483093	300.483093 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	97.2060852	97.2060852 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0.609106064	0.609106064 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	4.91284609	4.91284609 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	26438	26438 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14136	14136 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1117112832	1117112832	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1117112832	1117112832	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	498.457764	498.457764 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	153.084564	153.084564 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.3896027	96.3896027 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26438	26438 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4444	4444 ± 2	✔

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

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

Test Step 2.8 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	94.2766724	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00600000005	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	332.416168	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	6.68982124	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	198.46022	
k_AutoCntrHiSpdTimer1_mS_u16	46033	
k_AutoCntrHiSpdTimer2_mS_u16	5555	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	97.4420471	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	381.251129	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	93.5331573	
k_AutoCntrHiSpdTimer4_mS_u16	1778	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	41.3416519	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00779999979	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	211	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.8140659	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	255	
k_AutoCntrLoSpdTimer1_mS_u16	21364	
k_AutoCntrLoSpdTimer2_mS_u16	52716	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00600000005	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.0275999997	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1329.01599	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	1736795392	

Name	**Actual Value**	**Expected Value**	**Result**
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	9.80128898e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	332.416168	332.416168 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	198.46022	198.46022 ± 0.5	✔

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

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

Test Step 2.9 (Repeat Count = 1)			✔
Name	**Input Value**		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	88.6500702		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00779999979		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	138.568741		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	6.97866201		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	72.755127		
k_AutoCntrHiSpdTimer1_mS_u16	7415		
k_AutoCntrHiSpdTimer2_mS_u16	6666		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	59.698616		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	50.0811806		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	17.8322964		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	117.223816		
k_AutoCntrHiSpdTimer4_mS_u16	16156		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	81.3328171		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	543		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.82931423		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	199.050003		
k_AutoCntrLoSpdTimer1_mS_u16	33198		
k_AutoCntrLoSpdTimer2_mS_u16	7778		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00779999979		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.0342000015		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1304.98303		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3437401088		
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	50.0811806	50.0811806 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	117.223816	117.223816 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	17.8322964	17.8322964 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	59.698616	59.698616 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7415	7415 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	16156	16156 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3437401088	3437401088	✔

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

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

Test Step 2.10 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	65.7764893	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0320999995	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	152.768814	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	15.771925	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	73.3210144	
k_AutoCntrHiSpdTimer1_mS_u16	14150	
k_AutoCntrHiSpdTimer2_mS_u16	13332	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	89.3387299	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	668.902588	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	32.1202698	
k_AutoCntrHiSpdTimer4_mS_u16	40995	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	67.0500031	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0399999991	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	290	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.74961567	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	20	
k_AutoCntrLoSpdTimer1_mS_u16	3658	
k_AutoCntrLoSpdTimer2_mS_u16	5853	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.0737999976	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1160.78503	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	4243378688	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	668.902588	668.902588 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	32.1202698	32.1202698 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	89.3387299	89.3387299 ± 0.0625	✔

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

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

Test Step 2.11 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	8.86355877
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	123.465202
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	10.8994331
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	82.6047821
k_AutoCntrHiSpdTimer1_mS_u16	14014
k_AutoCntrHiSpdTimer2_mS_u16	7777
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	27.8338795
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	39.6259003
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	6.01894903
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	184.136215
k_AutoCntrHiSpdTimer4_mS_u16	22354
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	99.932251
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0299999993
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.063000001
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	9
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	0
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	65.6970062
k_AutoCntrLoSpdTimer1_mS_u16	21335
k_AutoCntrLoSpdTimer2_mS_u16	34188
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.0408000015
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1280.94995
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	3494315776

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	39.6259003	39.6259003 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	184.136215	184.136215 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.01894903	6.01894903 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	27.8338795	27.8338795 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	14014	14014 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22354	22354 ± 2	✔
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	0.00037692007 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	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	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	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	0.00037692007 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.0408000015	0.0408000015	✔
VehDyn_SLPHwPos_HwDeg_M_f32	1280.94995	1280.94995	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.12 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	26.9095516
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0344000012
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	162.400772
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	14.9627428
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	114.852692
k_AutoCntrHiSpdTimer1_mS_u16	48224
k_AutoCntrHiSpdTimer2_mS_u16	8888
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	47.4006882
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	585.574707
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	4.3129344
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	65.4458923
k_AutoCntrHiSpdTimer4_mS_u16	32015
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	26.1026459
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0458000004
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00200000009
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	533
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	20
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	23.0135193
k_AutoCntrLoSpdTimer1_mS_u16	12258
k_AutoCntrLoSpdTimer2_mS_u16	36416
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0344000012
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.0474000014
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1256.91699
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	463842816

Name	Actual Value	Expected Value	Result
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	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.3129344	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	0.000575374172 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	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	0.000432189729 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	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	0.000575374172 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔

Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

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

Test Step 2.13 (Repeat Count = 1)			✔
Name	**Input Value**		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	49.6496849		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0458000004		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	546.656738		
k_AutoCntrHiSpdTimer1PinTrq_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_AutoCntrHiSpdTimer4PinTrq_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.NVMStoredLastPos_HwDeg_f32	1232.88403		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	1759885568		
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	689.916992	689.916992 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	223.376236	223.376236 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.30665016	9.30665016 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	33.7199783	33.7199783 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	4828	4828 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	49523	49523 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1759885568	1759885568	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	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	0.000575374172 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	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	✔

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

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

Test Step 2.14 (Repeat Count = 1)			✔
Name	**Input Value**		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	23.8171101		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0759999976		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	79.877243		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	3.8524735		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	164.951675		
k_AutoCntrHiSpdTimer1_mS_u16	16138		
k_AutoCntrHiSpdTimer2_mS_u16	23331		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	78.1467133		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	32.7761002		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	2.07399654		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	38.1457062		
k_AutoCntrHiSpdTimer4_mS_u16	46166		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	81.6020432		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.000300000014		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00600000005		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	367.93277		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	4		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	150.688919		
k_AutoCntrLoSpdTimer1_mS_u16	22835		
k_AutoCntrLoSpdTimer2_mS_u16	13127		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0759999976		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.133200005		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	944.487976		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008		
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	32.7761002	32.7761002 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	38.1457062	38.1457062 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.07399654	2.07399654 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.1467133	78.1467133 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16138	16138 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	46166	46166 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4164171008	4164171008	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4164171008	4164171008	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.75509262e-006	3.76990397e-006 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	79.877243	79.877243 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	164.951675	164.951675 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.8524735	3.8524735 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	23.8171101	23.8171101 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16138	16138 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	23331	23331 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008	4164171008	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4164171008	4164171008	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000954568386	0.000954588235 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	367.93277	367.93277 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	150.688919	150.688919 ± 0.5	✔

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

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

Test Step 2.15 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	97.9824524	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989	
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.NVMStoredLastPos_HwDeg_f32	1208.85095	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	1662097408	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	13.5116568	13.5116568 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	200.00708	200.00708 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3859873	14.3859873 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	84.8904648	84.8904648 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13561	13561 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3778	3778 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	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	✔

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

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

Test Step 2.16 (Repeat Count = 1)				✔
Name	**Input Value**			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime			
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2			
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	76.7621613			
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961			
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00520000001			
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	203.632965			
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	11.2671566			
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	127.052841			
k_AutoCntrHiSpdTimer1_mS_u16	2974			
k_AutoCntrHiSpdTimer2_mS_u16	12221			
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	71.4314346			
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	460.300537			
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	5.9040184			
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	118.848923			
k_AutoCntrHiSpdTimer4_mS_u16	41925			
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	100			
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004			
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0320999995			
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	31			
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	18.3913727			
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	202.272995			
k_AutoCntrLoSpdTimer1_mS_u16	8366			
k_AutoCntrLoSpdTimer2_mS_u16	51002			
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961			
k_SLPEnableBFCheck_Cnt_lgc	0			
k_SLPHwAuthority_Uls_f32	0.0671999976			
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1184.81799			
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1			
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0			
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset			
tgt_GetSystemTime_mS_u32_CurrentTime	2127166208			
Name	**Actual Value**	**Expected Value**		**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	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	0.00031410993 ± 1.25663627181805E-06		✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 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.FiltPinTrq_HwNm_f32	11.2671566	11.2671566 ± 0.04		✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	76.7621613	76.7621613 ± 0.0625		✔

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

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

Test Step 2.17 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	65.7764893	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0320999995	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	152.768814	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	15.771925	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	73.3210144	
k_AutoCntrHiSpdTimer1_mS_u16	14150	
k_AutoCntrHiSpdTimer2_mS_u16	13332	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	89.3387299	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	668.902588	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	32.1202698	
k_AutoCntrHiSpdTimer4_mS_u16	40995	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	67.0500031	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0399999991	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	290	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.74961567	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	76.098053	
k_AutoCntrLoSpdTimer1_mS_u16	3658	
k_AutoCntrLoSpdTimer2_mS_u16	5853	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.0737999976	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1160.78503	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	4243378688	

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	668.902588	668.902588 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	32.1202698	32.1202698 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	89.3387299	89.3387299 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	14150	14150 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	40995	40995 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4243378688	4243378688	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00050252676	0.000502528506 ± 1.25663627181805E-06	✔

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

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

Test Step 2.18 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	84.4737091	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00520000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0458000004	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	609.83606	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	3.01206732	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	158.11969	
k_AutoCntrHiSpdTimer1_mS_u16	42810	
k_AutoCntrHiSpdTimer2_mS_u16	28886	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	78.8331146	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	700	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	12.0596523	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	195.407715	
k_AutoCntrHiSpdTimer4_mS_u16	10213	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	8	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00779999979	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0430000015	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	209.013977	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	17.8311005	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	20.6569824	
k_AutoCntrLoSpdTimer1_mS_u16	38868	
k_AutoCntrLoSpdTimer2_mS_u16	57944	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00520000001	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.166199997	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	824.322998	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504	
Name	**Actual Value**	**Expected Value**	**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	✔

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

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

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

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

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.20 (Repeat Count = 1)   ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	41.6642952
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	338.634766
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.68194199
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	18.1331787
k_AutoCntrHiSpdTimer1_mS_u16	42430
k_AutoCntrHiSpdTimer2_mS_u16	15554
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	11.2356644
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	269.545135
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.7515726
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	62.7014771
k_AutoCntrHiSpdTimer4_mS_u16	28023
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	11.1490717
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989
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.NVMStoredLastPos_HwDeg_f32	1112.71899
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset

Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	3039943680		

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

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

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

Name	Input Value
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1088.68604
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	1316564736

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

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

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

Name	Input Value
k_AutoCntrLoSpdTimer2_mS_u16	0
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00520000001
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.100199997
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1064.65295
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	2075080192

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	630.946533	630.946533 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	3.99484253	3.99484253 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.3842678	18.3842678 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.5710239	12.5710239 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53799	53799 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	50044	50044 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	219.394257	219.394257 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216.505157	216.505157 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.4182396	18.4182377 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	44.8276367	44.8276367 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53799	53799 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	17776	17776 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	674.329163	674.329163 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	87.195282	87.195282 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.6219854	14.6219854 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	29.3483315	29.3483315 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25496	25496 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0	0 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

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

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

Name	Input Value
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	610.883545
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.43369675
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	11.503067
k_AutoCntrLoSpdTimer1_mS_u16	11226
k_AutoCntrLoSpdTimer2_mS_u16	60000
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.106799997
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1040.62
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	954802432

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	118.757027	118.757027 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	83.8543854	83.8543854 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.14587271	1.14587283 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	15.953599	15.953599 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	47432	47432 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53593	53593 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	954802432	954802432	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	954802432	954802432	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	11.8271809	11.8271809 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	157.885941	157.885941 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.42799282	3.42799282 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	66.9603653	66.9603653 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	47432	47432 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	18887	18887 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432	954802432	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	954802432	954802432	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000565350056	0.000565326831 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	610.883545	610.883545 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	11.503067	11.503067 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.43369675	8.43369675 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	40.2867165	40.2867165 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	11226	11226 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000	60000 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	954802432	954802432	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	954802432	954802432	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.106799997	0.106799997	✔
VehDyn_SLPHwPos_HwDeg_M_f32	1040.62	1040.62	✔

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

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

Name	Input Value
k_AutoCntrHiSpdTimer4_mS_u16	27106
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	56.4612427
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	39.4220428
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	123.501587
k_AutoCntrLoSpdTimer1_mS_u16	29729
k_AutoCntrLoSpdTimer2_mS_u16	2000
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.113399997
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1016.58698
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	2728878080

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	578.624756	578.624756 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	182.197632	182.197632 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.2086525	10.2086525 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	50.4557152	50.4557152 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	37774	37774 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27106	27106 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	192.424347	192.424347 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	193.415466	193.415466 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.4601928	1.4601928 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.3555756	85.3555756 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	37774	37774 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	19998	19998 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	39.4220428	39.4220428 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	123.501587	123.501587 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3	3 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.4612427	56.4612427 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29729	29729 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	2000	2000 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.25 (Repeat Count = 1) ✔

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

Name	Input Value
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	84.4373398
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	457.561249
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	9.91502762
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	73.4022675
k_AutoCntrHiSpdTimer4_mS_u16	15330
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	31.4061165
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.000199999995
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0231999997
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	665.639221
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.52301908
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	52.7404022
k_AutoCntrLoSpdTimer1_mS_u16	58388
k_AutoCntrLoSpdTimer2_mS_u16	25970
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.119999997
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	992.554016
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	824746752

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.561249	457.561249 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	73.4022675	73.4022675 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.91502762	9.91502762 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	84.4373398	84.4373398 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	44272	44272 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	15330	15330 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000291526318	0.000291497301 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	407.382568	407.382568 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	171.811264	171.811264 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.11670542	5.11670542 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	47.2272682	47.2272682 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	44272	44272 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	21109	21109 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	665.639221	665.639221 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.7404022	52.7404022 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.52301908	3.52301908 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	31.4061165	31.4061165 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	58388	58388 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	25970	25970 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000291526318	0.000291497301 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.119999997	0.119999997	✔
VehDyn_SLPHwPos_HwDeg_M_f32	992.554016	992.554016	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.26 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	3.12775111
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00520000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	602.94635

Name	Input Value
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	10.0753288
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	221.670746
k_AutoCntrHiSpdTimer1_mS_u16	58454
k_AutoCntrHiSpdTimer2_mS_u16	22220
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	68.7160416
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	155.820129
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	2.29925823
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	81.0852356
k_AutoCntrHiSpdTimer4_mS_u16	20609
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	29.8536549
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.100000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00249999994
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	255.177094
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.44891739
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	221.320831
k_AutoCntrLoSpdTimer1_mS_u16	46162
k_AutoCntrLoSpdTimer2_mS_u16	50158
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00520000001
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.126599997
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	968.520996
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	309385728

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	155.820129	155.820129 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	81.0852356	81.0852356 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.29925823	2.29925823 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	68.7160416	68.7160416 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	58454	58454 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	20609	20609 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	3.14116478e-005	3.14154313e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	602.94635	602.94635 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	221.670746	221.670746 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.0753288	10.0753288 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	3.12775111	3.12775087 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	58454	58454 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22220	22220 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	255.177094	255.177094 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	221.320831	221.320831 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.44891739	3.44891739 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	29.8536549	29.8536549 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	46162	46162 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	50158	50158 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	3.14116478e-005	3.14154313e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.27 (Repeat Count = 1)   ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2

Name	Input Value
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	23.8171101
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0759999976
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	79.877243
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	3.8524735
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	164.951675
k_AutoCntrHiSpdTimer1_mS_u16	16138
k_AutoCntrHiSpdTimer2_mS_u16	23331
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	78.1467133
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	32.7761002
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	2.07399654
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	38.1457062
k_AutoCntrHiSpdTimer4_mS_u16	46166
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	81.6020432
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.000300000014
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00600000005
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	367.93277
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	10.7041206
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	150.688919
k_AutoCntrLoSpdTimer1_mS_u16	22835
k_AutoCntrLoSpdTimer2_mS_u16	13127
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0759999976
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.133200005
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	944.487976
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	32.7761002	32.7761002 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	38.1457062	38.1457062 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.07399654	2.07399654 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.1467133	78.1467133 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16138	16138 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	46166	46166 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4164171008	4164171008	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4164171008	4164171008	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.75509262e-006	3.76990397e-006 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	79.877243	79.877243 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	164.951675	164.951675 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.8524735	3.8524735 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	23.8171101	23.8171101 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16138	16138 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	23331	23331 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008	4164171008	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4164171008	4164171008	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000954568386	0.000954588235 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	367.93277	367.93277 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	150.688919	150.688919 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.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	3.75509262e-006	3.76990397e-006 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000954568386	0.000954588235 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.133200005	0.133200005	✔
VehDyn_SLPHwPos_HwDeg_M_f32	944.487976	944.487976	✔

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

Test Step 2.28 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	37.7641106
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0225000009
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	12.4052467
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	16.2494946
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.530762
k_AutoCntrHiSpdTimer1_mS_u16	18642
k_AutoCntrHiSpdTimer2_mS_u16	24442
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	5.24184275
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	638.897888
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.65499401
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	82.6361694
k_AutoCntrHiSpdTimer4_mS_u16	51569
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	31.2713699
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0350000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.000199999995
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	537.7453
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.52731705
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	193.256531
k_AutoCntrLoSpdTimer1_mS_u16	29076
k_AutoCntrLoSpdTimer2_mS_u16	43868
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0225000009
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.139799997
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	920.455017
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	437658624

Name	Actual Value	Expected Value	Result
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	0.000439726253 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	12.4052467	12.4052467 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	168.530762	168.530762 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2494946	16.2494946 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	37.7641106	37.7641106 ± 0.0625	✔
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	0.000282703375 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	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	0.000439726253 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00028270483	0.000282703375 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

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

Test Step 2.29 (Repeat Count = 1)		✓
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	39.3153801	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0491000004	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	349.296539	
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.NVMStoredLastPos_HwDeg_f32	896.421997	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	3941357312	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	344.000977	344.000977 ± 0.2	✓
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	122.149155	122.149155 ± 0.5	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.13386405	1.13386393 ± 0.04	✓
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	23.2325249	23.2325249 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	35706	35706 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	10394	10394 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3941357312	3941357312	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	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	0.000791368075 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000616788864	0.000616818492 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	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	0.00070346921 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	✓

Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.146400005	0.146400005	✔
VehDyn_SLPHwPos_HwDeg_M_f32	896.421997	896.421997	✔

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

Test Step 2.30 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	100	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	643.884338	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	7.05844259	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	123.333405	
k_AutoCntrHiSpdTimer1_mS_u16	57034	
k_AutoCntrHiSpdTimer2_mS_u16	26664	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	60.1197929	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	469.973907	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	236.657074	
k_AutoCntrHiSpdTimer4_mS_u16	25061	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	40.504673	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0670000017	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.000500000024	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	415.313232	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	5.79858875	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	84.7403259	
k_AutoCntrLoSpdTimer1_mS_u16	40437	
k_AutoCntrLoSpdTimer2_mS_u16	13059	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.152999997	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	872.388977	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	3304439296	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	469.973907	469.973907 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.657074	236.657074 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	60.1197929	60.1197929 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	57034	57034 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	25061	25061 ± 2	✔
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	0.000841592497 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.2584877e-006	6.28316548e-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	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	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	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.2584877e-006	6.28316548e-006 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

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

Test Step 2.31 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	43.0070915	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989	
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.NVMStoredLastPos_HwDeg_f32	848.356018	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2167769344	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0	0 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	9.99269104	9.99269104 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	99.817543	99.817543 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	56740	56740 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18881	18881 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2167769344	2167769344	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2167769344	2167769344	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	5.65648079e-005	5.65470691e-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	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000427186489	0.000427165331 ± 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	✔

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

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

Test Step 2.32 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	84.4737091	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00520000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0458000004	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	609.83606	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	3.01206732	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	158.11969	
k_AutoCntrHiSpdTimer1_mS_u16	42810	
k_AutoCntrHiSpdTimer2_mS_u16	28886	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	78.8331146	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	700	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	12.0596523	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	195.407715	
k_AutoCntrHiSpdTimer4_mS_u16	10213	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	41.3693123	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00779999979	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0430000015	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	209.013977	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	17.8311005	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	20.6569824	
k_AutoCntrLoSpdTimer1_mS_u16	38868	
k_AutoCntrLoSpdTimer2_mS_u16	57944	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00520000001	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.166199997	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	824.322998	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504	
Name	**Actual Value**	**Expected Value**	**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	9.80128898e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000540196896	0.000540207955 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	609.83606	609.83606 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	158.11969	158.11969 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.01206732	3.01206756 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	84.4737091	84.4737091 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	42810	42810 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	28886	28886 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3714197504	3714197504	✔

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.33 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	15.5979691
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0320999995
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989
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.NVMStoredLastPos_HwDeg_f32	800.289978
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	3323480832

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	334.049988	334.049988 ± 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	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	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	✔

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

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

Test Step 2.34 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	19.5605583	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0560000017	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	572.561157	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	10	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	193.532913	
k_AutoCntrHiSpdTimer1_mS_u16	16201	
k_AutoCntrHiSpdTimer2_mS_u16	54439	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	75.1727753	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	20	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	12.4131937	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	52.6185455	
k_AutoCntrHiSpdTimer4_mS_u16	54779	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	27.0724258	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00200000009	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	199.42067	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.28609991	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	255	
k_AutoCntrLoSpdTimer1_mS_u16	18002	
k_AutoCntrLoSpdTimer2_mS_u16	18842	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0560000017	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.317999989	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	271.563995	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	3524313344	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	20	20 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.6185455	52.6185455 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.4131937	12.4131937 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1727753	75.1727753 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16201	16201 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	54779	54779 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3524313344	3524313344	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3524313344	3524313344	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔

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

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

Test Step 2.35 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	49.3403549	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0850000009	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	370.660736	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	13.1525526	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	221.258759	
k_AutoCntrHiSpdTimer1_mS_u16	7034	
k_AutoCntrHiSpdTimer2_mS_u16	31108	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	61.0589485	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	147.148361	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	12.9904881	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	0	
k_AutoCntrHiSpdTimer4_mS_u16	119	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	66.5350952	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0344000012	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.063000001	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	454.12265	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.94327784	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	104.969391	
k_AutoCntrLoSpdTimer1_mS_u16	20423	
k_AutoCntrLoSpdTimer2_mS_u16	31368	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0850000009	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.179399997	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	776.257019	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	71426560	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	147.148361	147.148361 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0	0 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.9904881	12.9904871 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	61.0589485	61.0589485 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034	7034 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	119	119 ± 2	✔

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

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

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

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

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

Test Step 2.37 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	32.0222664	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989	
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	
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.NVMStoredLastPos_HwDeg_f32	728.190979	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	

Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	2242866176		

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

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

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

Name	Input Value
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	559.960022
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	2303132928

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	608.513794	608.513794 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	65	65 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	11.5653687	11.5653687 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	62.654911	62.654911 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0	0 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51504	51504 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2303132928	2303132928	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2303132928	2303132928	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	448.286377	448.286377 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	144.583755	144.583755 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	43.6620522	43.6620522 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0	0 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	41107	41107 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2303132928	2303132928	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2303132928	2303132928	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000188469887	0.000188477788 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	487.27597	487.27597 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	254.395218	254.395218 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.8190889	12.8190889 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	91.3417435	91.3417435 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404	30404 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349	30349 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2303132928	2303132928	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2303132928	2303132928	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.238800004	0.238800004	✔
VehDyn_SLPHwPos_HwDeg_M_f32	559.960022	559.960022	✔

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

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

Name	Input Value
k_AutoCntrLoSpdTimer2_mS_u16	9393
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.199200004
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	704.15802
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	2269150976

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	119.134666	119.134666 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	103.723984	103.723984 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0	0 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.3993683	51.3993683 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16931	16931 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51145	51145 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	460.901886	460.901886 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	92.026535	92.026535 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.00629902	8.00629902 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	7.2738266	7.2738266 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16931	16931 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34441	34441 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	581.690918	581.690918 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.401962	236.401962 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.79465103	6.79465103 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	65.2026672	65.2026672 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	46296	46296 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	9393	9393 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.199200004	0.199200004	✔
VehDyn_SLPHwPos_HwDeg_M_f32	704.15802	704.15802	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.40 (Repeat Count = 1) ✔

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

Name	Input Value
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	578.046082
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.1874886
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	158.773651
k_AutoCntrLoSpdTimer1_mS_u16	21486
k_AutoCntrLoSpdTimer2_mS_u16	38584
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.205799997
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	680.125
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	3533260288

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	201.577209	201.577209 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	194.557587	194.557587 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.1939697	53.1939697 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20459	20459 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	55301	55301 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3533260288	3533260288	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3533260288	3533260288	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	160.17424	160.17424 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	28.4624329	28.4624329 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.19048309	4.19048309 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	91.5981827	91.5981827 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20459	20459 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	35552	35552 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3533260288	3533260288	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3533260288	3533260288	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	578.046082	578.046082 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	158.773651	158.773651 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.1874886	16.1874886 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.1249008	52.1249008 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21486	21486 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	38584	38584 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3533260288	3533260288	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3533260288	3533260288	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.41 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	29.3254967
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00520000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	677.585876
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	7.90520477
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	186.264114
k_AutoCntrHiSpdTimer1_mS_u16	55165
k_AutoCntrHiSpdTimer2_mS_u16	36663
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	39.3708954
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	525.822998
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	14.0500002
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	44.416153

Name	Input Value
k_AutoCntrHiSpdTimer4_mS_u16	40693
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	22.5556393
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00200000009
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	413.003265
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	4.57800722
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	89.0179596
k_AutoCntrLoSpdTimer1_mS_u16	24720
k_AutoCntrLoSpdTimer2_mS_u16	36760
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.212400004
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	656.09198
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	812314880

Name	Actual Value	Expected Value	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	14.0500002 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	39.3708954	39.3708954 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	55165	55165 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	40693	40693 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	812314880	812314880	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	812314880	812314880	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	677.585876	677.585876 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186.264114	186.264114 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.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	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	413.003265	413.003265 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	89.0179596	89.0179596 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.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	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.212400004	0.212400004	✔
VehDyn_SLPHwPos_HwDeg_M_f32	656.09198	656.09198	✔

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

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

Name	Input Value
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	38.5221024
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	265.609314
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	3
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	196.135361
k_AutoCntrHiSpdTimer4_mS_u16	54573
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	58.6687202
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00600000005
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	72.2188644
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	5.45036793
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	172.141464
k_AutoCntrLoSpdTimer1_mS_u16	47724
k_AutoCntrLoSpdTimer2_mS_u16	1764
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00520000001
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.304800004
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	319.630005
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	4195077888

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	265.609314	265.609314 ± 0.2	✓
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.135361	196.135361 ± 0.5	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3	3 ± 0.04	✓
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	38.5221024	38.5221024 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	42277	42277 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	54573	54573 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4195077888	4195077888	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4195077888	4195077888	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	525.752197	525.752197 ± 0.2	✓
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	✓
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.4235058	13.4235058 ± 0.04	✓
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.5801086	88.5801086 ± 0.0625	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	42277	42277 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52217	52217 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4195077888	4195077888	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4195077888	4195077888	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	72.2188644	72.2188644 ± 0.2	✓
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	172.141464	172.141464 ± 0.5	✓
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.45036793	5.45036793 ± 0.04	✓
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	58.6687202	58.6687202 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	47724	47724 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	1764	1764 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4195077888	4195077888	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4195077888	4195077888	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✓
VehDyn_SLPHwAuth_Uls_M_f32	0.304800004	0.304800004	✓
VehDyn_SLPHwPos_HwDeg_M_f32	319.630005	319.630005	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.43 (Repeat Count = 1) ✓

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	92.2299118
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00980000012
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	235.852432

Name	Input Value
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	18.6467209
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	179.530945
k_AutoCntrHiSpdTimer1_mS_u16	51432
k_AutoCntrHiSpdTimer2_mS_u16	37774
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	0
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	598.552856
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	4.44533634
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	239.762329
k_AutoCntrHiSpdTimer4_mS_u16	57193
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	58.8585777
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00200000009
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	691.251282
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	9.38685799
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	38.2069092
k_AutoCntrLoSpdTimer1_mS_u16	44855
k_AutoCntrLoSpdTimer2_mS_u16	51238
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.218999997
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	632.059021
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	3345084416

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	598.552856	598.552856 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	239.762329	239.762329 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.44533634	4.44533634 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0	0 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	51432	51432 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	57193	57193 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3345084416	3345084416	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3345084416	3345084416	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	235.852432	235.852432 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	179.530945	179.530945 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.6467209	18.6467209 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	92.2299118	92.2299118 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	51432	51432 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	37774	37774 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3345084416	3345084416	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3345084416	3345084416	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000123143196	0.000123142847 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	691.251282	691.251282 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	38.2069092	38.2069092 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	9.38685799	9.38685799 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	58.8585777	58.8585777 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	44855	44855 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	51238	51238 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3345084416	3345084416	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3345084416	3345084416	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.44 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2

Name	Input Value
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	41.6950645
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00989999995
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	463.985962
k_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.NVMStoredLastPos_HwDeg_f32	608.026001
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	2704864000

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	179.399078	179.399078 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	82.9581757	82.9581757 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.4598589	12.4598589 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	✔
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	2704864000	2704864000	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	463.985962	463.985962 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.70262909	8.70262909 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41.6950645	41.6950645 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12734	12734 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	38885	38885 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2704864000	2704864000	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2704864000	2704864000	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000124394894	0.000124399332 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	638.585999	638.585999 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	122.874435	122.874435 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.9565835	4.9565835 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.6018066	75.6018066 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195	26195 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037	22037 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2704864000	2704864000	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2704864000	2704864000	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.225600004	0.225600004	✔
VehDyn_SLPHwPos_HwDeg_M_f32	608.026001	608.026001	✔

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

Test Step 2.45 (Repeat Count = 1)	✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	75.4518967
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00749999983
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	573.473022
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	1.88103604
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	99.2100525
k_AutoCntrHiSpdTimer1_mS_u16	4764
k_AutoCntrHiSpdTimer2_mS_u16	39996
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	79.0500031
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	243.44046
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	17.900116
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	17.667511
k_AutoCntrHiSpdTimer4_mS_u16	16349
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	46.103508
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00520000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0458000004
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	159.033066
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	18.4460754
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	56.1687317
k_AutoCntrLoSpdTimer1_mS_u16	43190
k_AutoCntrLoSpdTimer2_mS_u16	3186
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.232199997
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	583.992981
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	662694400

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	243.44046	243.44046 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	17.667511	17.667511 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	17.900116	17.900116 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	79.0500031	79.0500031 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	4764	4764 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	16349	16349 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	662694400	662694400	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	662694400	662694400	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	573.473022	573.473022 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	99.2100525	99.2100525 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.88103604	1.88103604 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.4518967	75.4518967 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	4764	4764 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39996	39996 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	662694400	662694400	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	662694400	662694400	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.42349434e-005	9.42433398e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	159.033066	159.033066 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	56.1687317	56.1687317 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.4460754	18.4460754 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	46.103508	46.103508 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190	43190 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186	3186 ± 2	✔
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	6.53429888e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

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

Test Step 2.46 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	96.1530533	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	328.049988	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	16.2922134	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	42.3900299	
k_AutoCntrHiSpdTimer1_mS_u16	44765	
k_AutoCntrHiSpdTimer2_mS_u16	49995	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	5	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	225.86203	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	17.1959343	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	253.171951	
k_AutoCntrHiSpdTimer4_mS_u16	45170	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	99.388649	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0560000017	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	403.203857	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	18.2375278	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	216.894852	
k_AutoCntrLoSpdTimer1_mS_u16	51139	
k_AutoCntrLoSpdTimer2_mS_u16	36841	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.291599989	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	367.696014	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	1711664384	

Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	225.86203	225.86203 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	253.171951	253.171951 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	17.1959343	17.1959343 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	5	5 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	44765	44765 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	45170	45170 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1711664384	1711664384	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1711664384	1711664384	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	328.049988	328.049988 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	42.3900299	42.3900299 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2922134	16.2922134 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1530533	96.1530533 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	44765	44765 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	49995	49995 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1711664384	1711664384	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1711664384	1711664384	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	403.203857	403.203857 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.894852	216.894852 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2375278	18.2375278 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	99.388649	99.388649 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	51139	51139 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36841	36841 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1711664384	1711664384	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1711664384	1711664384	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	✔

Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.291599989	0.291599989	✔
VehDyn_SLPHwPos_HwDeg_M_f32	367.696014	367.696014	✔

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

Test Step 2.47 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	43.6620522	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0149999997	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	448.286377	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	144.583755	
k_AutoCntrHiSpdTimer1_mS_u16	0	
k_AutoCntrHiSpdTimer2_mS_u16	41107	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	62.654911	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	608.513794	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	11.5653687	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	76.64888	
k_AutoCntrHiSpdTimer4_mS_u16	51504	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	91.3417435	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	487.27597	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	12.8190889	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	254.395218	
k_AutoCntrLoSpdTimer1_mS_u16	30404	
k_AutoCntrLoSpdTimer2_mS_u16	30349	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.238800004	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	559.960022	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2303132928	

Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	608.513794	608.513794 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	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	0.000403299142 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	448.286377	448.286377 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	144.583755	144.583755 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	43.6620522	43.6620522 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0	0 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	41107	41107 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2303132928	2303132928	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2303132928	2303132928	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000188469887	0.000188477788 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	487.27597	487.27597 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	254.395218	254.395218 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.8190889	12.8190889 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	91.3417435	91.3417435 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404	30404 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349	30349 ± 2	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2303132928	2303132928	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2303132928	2303132928	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.238800004	0.238800004	✔
VehDyn_SLPHwPos_HwDeg_M_f32	559.960022	559.960022	✔

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

Test Step 2.48 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	75.7771378	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	170.210068	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	9.64343548	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	112.884521	
k_AutoCntrHiSpdTimer1_mS_u16	60000	
k_AutoCntrHiSpdTimer2_mS_u16	42218	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	97.1869812	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	601.888977	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	166.376648	
k_AutoCntrHiSpdTimer4_mS_u16	57879	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	28.5844917	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	686.9823	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.86307621	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	33.3876343	
k_AutoCntrLoSpdTimer1_mS_u16	10412	
k_AutoCntrLoSpdTimer2_mS_u16	3277	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.245399997	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	535.927002	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	4129141760	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	601.888977	601.888977 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.376648	166.376648 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.1869812	97.1869812 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	57879	57879 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4129141760	4129141760	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4129141760	4129141760	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	170.210068	170.210068 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	112.884521	112.884521 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.64343548	9.64343548 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.7771378	75.7771378 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000	60000 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	42218	42218 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4129141760	4129141760	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4129141760	4129141760	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	686.9823	686.9823 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	33.3876343	33.3876343 ± 0.5	✔

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

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

Test Step 2.49 (Repeat Count = 1)		✓
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	36.63274	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0344000012	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	292.78537	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	15.4148769	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	70.7165985	
k_AutoCntrHiSpdTimer1_mS_u16	1500	
k_AutoCntrHiSpdTimer2_mS_u16	43329	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	14.9879189	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	291.415405	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.84722853	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	41.1777191	
k_AutoCntrHiSpdTimer4_mS_u16	44494	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	67.4213715	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	170.99588	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.17953968	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	7.39476013	
k_AutoCntrLoSpdTimer1_mS_u16	16683	
k_AutoCntrLoSpdTimer2_mS_u16	22497	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0344000012	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.252000004	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	511.894012	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2836768512	

Name	**Actual Value**	**Expected Value**	**Result**
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	1500	1500 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	44494	44494 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2836768512	2836768512	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2836768512	2836768512	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	292.78537	292.78537 ± 0.2	✓
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	70.7165985	70.7165985 ± 0.5	✓
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	15.4148769	15.4148769 ± 0.04	✓
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	36.63274	36.63274 ± 0.0625	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	1500	1500 ± 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	✓

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

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

Test Step 2.50 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_Igc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Igc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	77.1508331	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0458000004	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	263.707825	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	5.88711405	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	81.0172424	
k_AutoCntrHiSpdTimer1_mS_u16	38792	
k_AutoCntrHiSpdTimer2_mS_u16	44440	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	90.0811462	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	417.567505	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.1425486	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	224.821381	
k_AutoCntrHiSpdTimer4_mS_u16	0	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	89.9028549	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.063000001	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	374.245026	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	18.0723743	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	88.4202576	
k_AutoCntrLoSpdTimer1_mS_u16	5235	
k_AutoCntrLoSpdTimer2_mS_u16	27074	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0458000004	
k_SLPEnableBFCheck_Cnt_Igc	1	
k_SLPHwAuthority_Uls_f32	0.258599997	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	487.860992	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Igc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2478427648	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	417.567505	417.567505 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	224.821381	224.821381 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.1425486	13.1425486 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	90.0811462	90.0811462 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38792	38792 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0	0 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2478427648	2478427648	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2478427648	2478427648	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	263.707825	263.707825 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	81.0172424	81.0172424 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.88711405	5.88711405 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	77.1508331	77.1508331 ± 0.0625	✔

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

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

Test Step 2.51 (Repeat Count = 1)		✓
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
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_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	132.854568	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	2.87444711	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	41.7497711	
k_AutoCntrHiSpdTimer4_mS_u16	60000	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	28.4195251	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00200000009	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	74.5651398	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	12.3046961	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	140.20314	
k_AutoCntrLoSpdTimer1_mS_u16	58736	
k_AutoCntrLoSpdTimer2_mS_u16	17880	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.265199989	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	463.828003	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	4180236544	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	132.854568	132.854568 ± 0.2	✓
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	41.7497711	41.7497711 ± 0.5	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.87444711	2.87444711 ± 0.04	✓
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	95.2508621	95.2508621 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	28556	28556 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000	60000 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4180236544	4180236544	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4180236544	4180236544	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✓

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

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

Test Step 2.52 (Repeat Count = 1)		✔
Name	**Input Value**
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	25.0328922
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	612.468079
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	13.018939
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	63.774231
k_AutoCntrHiSpdTimer1_mS_u16	16090
k_AutoCntrHiSpdTimer2_mS_u16	46662
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	38.5810089
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	661.950806
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	15.5126753
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	111.386475
k_AutoCntrHiSpdTimer4_mS_u16	2000
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	37.1736603
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	700
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	19.562748
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	236.276367
k_AutoCntrLoSpdTimer1_mS_u16	17015
k_AutoCntrLoSpdTimer2_mS_u16	58102
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.271800011
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	439.795013
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	3368466432
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	661.950806	661.950806 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	111.386475	111.386475 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	15.5126753	15.5126753 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	38.5810089	38.5810089 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16090	16090 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	2000	2000 ± 2	✔

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

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

Test Step 2.53 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	22.7924805	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0344000012	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	0	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	14.1099701	
k_AutoCntrHiSpdTimer1_mS_u16	14255	
k_AutoCntrHiSpdTimer2_mS_u16	47773	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	98.5101929	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	181.227158	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	15.03372	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	237.210739	
k_AutoCntrHiSpdTimer4_mS_u16	1971	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	1.43633437	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00520000001	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	473.999298	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	10.8610411	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	137.791061	
k_AutoCntrLoSpdTimer1_mS_u16	37086	
k_AutoCntrLoSpdTimer2_mS_u16	772	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.278400004	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	415.761993	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	170564352	
Name	**Actual Value**	**Expected Value**	**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	✔

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.54 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	36.1406059
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0458000004
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	700
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	15.1538467
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	158.649628
k_AutoCntrHiSpdTimer1_mS_u16	43706
k_AutoCntrHiSpdTimer2_mS_u16	48884
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	40.6512985
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	12.3902884
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.3508968
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	119.534821
k_AutoCntrHiSpdTimer4_mS_u16	5814
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	29.760561
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.061999999
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0350000001
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	11.0084457
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.93631697
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	104.043854
k_AutoCntrLoSpdTimer1_mS_u16	18398
k_AutoCntrLoSpdTimer2_mS_u16	39001
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.284999996
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	391.729004
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset

Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	625668608		

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

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

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

Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	367.696014		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	1711664384		

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	225.86203	225.86203 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	253.171951	253.171951 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	17.1959343	17.1959343 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	69.3795242	69.3795242 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	44765	44765 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	45170	45170 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1711664384	1711664384	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1711664384	1711664384	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	328.049988	328.049988 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	42.3900299	42.3900299 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2922134	16.2922134 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1530533	96.1530533 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	44765	44765 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	49995	49995 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1711664384	1711664384	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1711664384	1711664384	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	403.203857	403.203857 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.894852	216.894852 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2375278	18.2375278 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	99.388649	99.388649 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	51139	51139 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36841	36841 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1711664384	1711664384	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1711664384	1711664384	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.291599989	0.291599989	✔
VehDyn_SLPHwPos_HwDeg_M_f32	367.696014	367.696014	✔

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

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

Name	Input Value
k_AutoCntrLoSpdTimer2_mS_u16	14998
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.300000012
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-689.755981
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	3941357312

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	272.816681	272.816681 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	209.062363	209.062363 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.0401011	13.0401011 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.7886963	51.7886963 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3628	3628 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	20	20 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	168.185226	168.185226 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.68037319	8.68037319 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	24.5077915	24.5077915 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2904	2904 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000124394894	0.000124399332 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	499.624054	499.624054 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	125.396591	125.396591 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.55805016	6.55805016 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	59.735672	59.735672 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	36412	36412 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14998	14998 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.300000012	0.300000012	✔
VehDyn_SLPHwPos_HwDeg_M_f32	-689.755981	-689.755981	✔

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

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

Name	Input Value
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	70.1366196
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	5.44028044
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	211.513733
k_AutoCntrLoSpdTimer1_mS_u16	19138
k_AutoCntrLoSpdTimer2_mS_u16	31995
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.298200011
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	343.662994
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	1568734208

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	420.750946	420.750946 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	110.432434	110.432434 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.9586134	13.9586134 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	57.9277077	57.9277039 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	9606	9606 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	40701	40701 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1568734208	1568734208	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1568734208	1568734208	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	320.858643	320.858643 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0	0 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	11.4043941	11.4043941 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	64.1327362	64.1327362 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	9606	9606 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	51106	51106 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1568734208	1568734208	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1568734208	1568734208	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	70.1366196	70.1366196 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	211.513733	211.513733 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.44028044	5.44028044 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	76.8895721	76.8895721 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	19138	19138 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31995	31995 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1568734208	1568734208	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1568734208	1568734208	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.58 (Repeat Count = 1)   ✔

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

Name	Input Value
k_AutoCntrHiSpdTimer4_mS_u16	54573
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	58.6687202
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00600000005
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	72.2188644
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	5.45036793
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	172.141464
k_AutoCntrLoSpdTimer1_mS_u16	47724
k_AutoCntrLoSpdTimer2_mS_u16	1764
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00520000001
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.304800004
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	319.630005
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	4195077888

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	265.609314	265.609314 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.135361	196.135361 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.71470642	5.71470642 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	38.5221024	38.5221024 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	42277	42277 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	54573	54573 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4195077888	4195077888	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4195077888	4195077888	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	525.752197	525.752197 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.4235058	13.4235058 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.5801086	88.5801086 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	42277	42277 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52217	52217 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4195077888	4195077888	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4195077888	4195077888	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	72.2188644	72.2188644 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	172.141464	172.141464 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.45036793	5.45036793 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	58.6687202	58.6687202 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	47724	47724 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	1764	1764 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4195077888	4195077888	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4195077888	4195077888	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.304800004	0.304800004	✔
VehDyn_SLPHwPos_HwDeg_M_f32	319.630005	319.630005	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.59 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	21.7662468
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0350000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	664.569519
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	12.4867144
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	228.050003
k_AutoCntrHiSpdTimer1_mS_u16	8935
k_AutoCntrHiSpdTimer2_mS_u16	53328

Name	Input Value
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	49.7095528
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	450.146423
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	9.50154114
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	182.573456
k_AutoCntrHiSpdTimer4_mS_u16	7812
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	61.1730156
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00779999979
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	560.017944
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.75256419
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	184.805145
k_AutoCntrLoSpdTimer1_mS_u16	10463
k_AutoCntrLoSpdTimer2_mS_u16	43013
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0350000001
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.311399996
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	295.596985
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	2339853824

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	450.146423	450.146423 ± 0.2	✓
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	182.573456	182.573456 ± 0.5	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.50154114	9.50154114 ± 0.04	✓
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	49.7095528	49.7095528 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	8935	8935 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7812	7812 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2339853824	2339853824	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2339853824	2339853824	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	664.569519	664.569519 ± 0.2	✓
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	228.050003	228.050003 ± 0.5	✓
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.4867144	12.4867144 ± 0.04	✓
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	21.7662468	21.7662468 ± 0.0625	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	8935	8935 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53328	53328 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2339853824	2339853824	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2339853824	2339853824	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	560.017944	560.017944 ± 0.2	✓
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	184.805145	184.805145 ± 0.5	✓
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.75256419	3.75256419 ± 0.04	✓
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	61.1730156	61.1730156 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10463	10463 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43013	43013 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2339853824	2339853824	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2339853824	2339853824	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	✓
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✓
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓

Test Step 2.60 (Repeat Count = 1) ✓

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	32.0222664
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0344000012
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	575.91394

Name	Input Value
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.9376688
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	65
k_AutoCntrHiSpdTimer1_mS_u16	5222
k_AutoCntrHiSpdTimer2_mS_u16	4240
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	93.8445969
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	312.352844
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	8.16609764
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	68
k_AutoCntrHiSpdTimer4_mS_u16	31042
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	95.9834061
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	195.818787
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.82910013
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	29.3435669
k_AutoCntrLoSpdTimer1_mS_u16	25532
k_AutoCntrLoSpdTimer2_mS_u16	27401
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0344000012
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.608399987
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	785.888
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	3323480832

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	312.352844	312.352844 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	68	68 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.16609764	8.16609764 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	93.8445969	93.8445969 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5222	5222 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31042	31042 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3323480832	3323480832	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3323480832	3323480832	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	575.91394	575.91394 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	65	65 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.9376688	8.9376688 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0222664	32.0222664 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5222	5222 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4240	4240 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3323480832	3323480832	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3323480832	3323480832	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	195.818787	195.818787 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	29.3435669	29.3435669 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.82910013	7.82910013 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	95.9834061	95.9834061 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532	25532 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401	27401 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3323480832	3323480832	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3323480832	3323480832	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.608399987	0.608399987	✔
VehDyn_SLPHwPos_HwDeg_M_f32	785.888	785.888	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.61 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2

Name	Input Value
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	19.5605583
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0560000017
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	572.561157
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	0
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	193.532913
k_AutoCntrHiSpdTimer1_mS_u16	16201
k_AutoCntrHiSpdTimer2_mS_u16	54439
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	75.1727753
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	520.135864
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	12.4131937
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	52.6185455
k_AutoCntrHiSpdTimer4_mS_u16	54779
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	27.0724258
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00200000009
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	199.42067
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.28609991
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	255
k_AutoCntrLoSpdTimer1_mS_u16	18002
k_AutoCntrLoSpdTimer2_mS_u16	18842
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0560000017
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.317999989
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	271.563995
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	3524313344

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	520.135864	520.135864 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.6185455	52.6185455 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.4131937	12.4131937 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1727753	75.1727753 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16201	16201 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	54779	54779 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3524313344	3524313344	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3524313344	3524313344	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	572.561157	572.561157 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	193.532913	193.532913 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0	0 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	19.5605583	19.5605583 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16201	16201 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	54439	54439 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3524313344	3524313344	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3524313344	3524313344	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	199.42067	199.42067 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255	255 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.28609991	7.28609991 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	27.0724258	27.0724258 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	18002	18002 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18842	18842 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3524313344	3524313344	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3524313344	3524313344	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.317999989	0.317999989	✔
VehDyn_SLPHwPos_HwDeg_M_f32	271.563995	271.563995	✔

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

Test Step 2.62 (Repeat Count = 1)   ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	72.3069534
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0670000017
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989
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.NVMStoredLastPos_HwDeg_f32	247.531006
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	2108719104

Name	Actual Value	Expected Value	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	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	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	0.000841592497 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	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	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

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

Test Step 2.63 (Repeat Count = 1)			✔
Name	**Input Value**		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	47.1172676		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00520000001		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	330.663879		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	14.0500002		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	53.6340179		
k_AutoCntrHiSpdTimer1_mS_u16	18436		
k_AutoCntrHiSpdTimer2_mS_u16	56661		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	52.8357315		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	129.583893		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	2.4654448		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	169.279709		
k_AutoCntrHiSpdTimer4_mS_u16	46866		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	80.1532669		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00520000001		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0458000004		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	207.336761		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	15.5891829		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	126.774094		
k_AutoCntrLoSpdTimer1_mS_u16	29601		
k_AutoCntrLoSpdTimer2_mS_u16	17463		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.331200004		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	223.498001		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2894938880		
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	129.583893	129.583893 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.279709	169.279709 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.4654448	2.4654448 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.8357315	52.8357315 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	18436	18436 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	46866	46866 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2894938880	2894938880	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2894938880	2894938880	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	330.663879	330.663879 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	53.6340179	53.6340179 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.0500002	14.0500002 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	47.1172676	47.1172676 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	18436	18436 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	56661	56661 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2894938880	2894938880	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2894938880	2894938880	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	207.336761	207.336761 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.774094	126.774094 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	15.5891829	15.5891829 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	80.1532669	80.1532669 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29601	29601 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	17463	17463 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2894938880	2894938880	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2894938880	2894938880	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	✔

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

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

Test Step 2.64 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00989999995	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	416.42218	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	4	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.185226	
k_AutoCntrHiSpdTimer1_mS_u16	30272	
k_AutoCntrHiSpdTimer2_mS_u16	2904	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	51.7886963	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	272.816681	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.0401011	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	209.062363	
k_AutoCntrHiSpdTimer4_mS_u16	3628	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	59.735672	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	499.624054	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.55805016	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	125.396591	
k_AutoCntrLoSpdTimer1_mS_u16	36412	
k_AutoCntrLoSpdTimer2_mS_u16	14998	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.300000012	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-689.755981	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	3941357312	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	272.816681	272.816681 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	209.062363	209.062363 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.0401011	13.0401011 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.7886963	51.7886963 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3628	3628 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	416.42218	416.42218 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	168.185226	168.185226 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4	4 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	24.5077915	24.5077915 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2904	2904 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000124394894	0.000124399332 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	499.624054	499.624054 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	125.396591	125.396591 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.55805016	6.55805016 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	59.735672	59.735672 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	36412	36412 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14998	14998 ± 2	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3941357312	3941357312	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✓
VehDyn_SLPHwAuth_Uls_M_f32	0.300000012	0.300000012	✓
VehDyn_SLPHwPos_HwDeg_M_f32	-689.755981	-689.755981	✓

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

Test Step 2.65 (Repeat Count = 1)			✓
Name	**Input Value**		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	0		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0350000001		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	106.088676		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	17.3796749		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	82.7024841		
k_AutoCntrHiSpdTimer1_mS_u16	53106		
k_AutoCntrHiSpdTimer2_mS_u16	57772		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	0.382190108		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	40.3323212		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	19.9312096		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	251.952911		
k_AutoCntrHiSpdTimer4_mS_u16	14715		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	86.5985413		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	267.78949		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	17.6586285		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	105.719757		
k_AutoCntrLoSpdTimer1_mS_u16	27170		
k_AutoCntrLoSpdTimer2_mS_u16	21888		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.337799996		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	199.464996		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2059598336		
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	40.3323212	40.3323212 ± 0.2	✓
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	251.952911	251.952911 ± 0.5	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	19.9312096	19.9312096 ± 0.04	✓
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0.382190108	0.382190108 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53106	53106 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14715	14715 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2059598336	2059598336	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2059598336	2059598336	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	106.088676	106.088676 ± 0.2	✓
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	82.7024841	82.7024841 ± 0.5	✓
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	17.3796749	17.3796749 ± 0.04	✓
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0	0 ± 0.0625	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53106	53106 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57772	57772 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2059598336	2059598336	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2059598336	2059598336	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	267.78949	267.78949 ± 0.2	✓
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	105.719757	105.719757 ± 0.5	✓

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

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

Test Step 2.66 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	100	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0560000017	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	246.491226	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	15.1210756	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	14.3564606	
k_AutoCntrHiSpdTimer1_mS_u16	40735	
k_AutoCntrHiSpdTimer2_mS_u16	58883	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	65.5642929	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	172.499313	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	5.32853031	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	198.042679	
k_AutoCntrHiSpdTimer4_mS_u16	37715	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	9.40841103	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	210.980316	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	5.85037804	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	177.992142	
k_AutoCntrLoSpdTimer1_mS_u16	35868	
k_AutoCntrLoSpdTimer2_mS_u16	19303	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.344399989	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	175.432007	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	800969984	

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	172.499313	172.499313 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	198.042679	198.042679 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.32853031	5.32853031 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	65.5642929	65.5642929 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40735	40735 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	37715	37715 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	800969984	800969984	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	800969984	800969984	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	246.491226	246.491226 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	14.3564606	14.3564606 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	15.1210756	15.1210756 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100	100 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40735	40735 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58883	58883 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	800969984	800969984	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	800969984	800969984	✔

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

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

Test Step 2.67 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	2.04999995	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0670000017	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	680.440247	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.89876556	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	18.8164063	
k_AutoCntrHiSpdTimer1_mS_u16	39187	
k_AutoCntrHiSpdTimer2_mS_u16	59994	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	89.7410736	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	138.948975	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.4402218	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	145.445251	
k_AutoCntrHiSpdTimer4_mS_u16	35319	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	54.7292175	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	664.948303	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	14.762373	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	45.8468628	
k_AutoCntrLoSpdTimer1_mS_u16	1815	
k_AutoCntrLoSpdTimer2_mS_u16	21239	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.351000011	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	151.399002	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	569984000	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	138.948975	138.948975 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	145.445251	145.445251 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.4402218	18.4402218 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	89.7410736	89.7410736 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	39187	39187 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	35319	35319 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	569984000	569984000	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	569984000	569984000	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	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	2.04999995 ± 0.0625	✔

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

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

Test Step 2.68 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	5	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00779999979	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	138.568741	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	6.97866201	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	72.755127	
k_AutoCntrHiSpdTimer1_mS_u16	7415	
k_AutoCntrHiSpdTimer2_mS_u16	6666	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	59.698616	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	50.0811806	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	17.8322964	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	117.223816	
k_AutoCntrHiSpdTimer4_mS_u16	16156	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	81.3328171	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	543	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.82931423	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	199.050003	
k_AutoCntrLoSpdTimer1_mS_u16	33198	
k_AutoCntrLoSpdTimer2_mS_u16	7778	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00779999979	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.0342000015	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1304.98303	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	3437401088	

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	50.0811806	50.0811806 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	117.223816	117.223816 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	17.8322964	17.8322964 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	59.698616	59.698616 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7415	7415 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	16156	16156 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔

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

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

Test Step 2.69 (Repeat Count = 1)			✔
Name	**Input Value**		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	37.5070457		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00620000018		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	449.560669		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	7.49751949		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	15.1709442		
k_AutoCntrHiSpdTimer1_mS_u16	51065		
k_AutoCntrHiSpdTimer2_mS_u16	0		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	33.4789696		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	684.185608		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	12.1316996		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	98.2219086		
k_AutoCntrHiSpdTimer4_mS_u16	3948		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	41.9530144		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0350000001		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	686.860413		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.50215721		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	108.267075		
k_AutoCntrLoSpdTimer1_mS_u16	19095		
k_AutoCntrLoSpdTimer2_mS_u16	14137		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.357600003		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	127.365997		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	3351443200		
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	684.185608	684.185608 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	98.2219086	98.2219086 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1316996	12.1316996 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	33.4789696	33.4789696 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	51065	51065 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3948	3948 ± 2	✔

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

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

Test Step 2.70 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	49.7710762	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00650000013	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	338.984467	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	18.0932884	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	236.904205	
k_AutoCntrHiSpdTimer1_mS_u16	19981	
k_AutoCntrHiSpdTimer2_mS_u16	60000	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	46.1480331	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	124.406281	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	4.16511393	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	70.9388123	
k_AutoCntrHiSpdTimer4_mS_u16	29986	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	7.41047621	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0560000017	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	281.363403	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	17.0429993	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	139.053314	
k_AutoCntrLoSpdTimer1_mS_u16	8138	
k_AutoCntrLoSpdTimer2_mS_u16	35571	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.364199996	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	103.333	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	1358028288	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.406281	124.406281 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	70.9388123	70.9388123 ± 0.5	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.16511393	4.16511393 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	46.1480331	46.1480331 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	19981	19981 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	29986	29986 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1358028288	1358028288	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1358028288	1358028288	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	338.984467	338.984467 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.904205	236.904205 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.0932884	18.0932884 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	49.7710762	49.7710762 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	19981	19981 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000	60000 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1358028288	1358028288	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1358028288	1358028288	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.16583633e-005	8.16780739e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	281.363403	281.363403 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	139.053314	139.053314 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	17.0429993	17.0429993 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	7.41047621	7.41047621 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	8138	8138 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	35571	35571 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1358028288	1358028288	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1358028288	1358028288	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

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

Test Step 2.71 (Repeat Count = 1)	✔
Name	**Input Value**
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	58.6891289
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	57.2952843
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	2.56739569
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	11.313797
k_AutoCntrHiSpdTimer1_mS_u16	20825
k_AutoCntrHiSpdTimer2_mS_u16	2000
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	91.4300919
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	459.889984
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.1788235
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	195.647476
k_AutoCntrHiSpdTimer4_mS_u16	47347
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	45.5890503
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0670000017
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	195.074249
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	15.5773945
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	208.55397
k_AutoCntrLoSpdTimer1_mS_u16	19617
k_AutoCntrLoSpdTimer2_mS_u16	42138
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.370799989
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	79.3000031
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset

Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	1975593216		

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

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

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

Name	Input Value
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	55.2669983
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	910116864

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	637.189331	637.189331 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	60.9433594	60.9433594 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.48333788	4.48333788 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.9036674	52.9036674 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	51762	51762 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	35091	35091 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	910116864	910116864	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	910116864	910116864	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	595.803711	595.803711 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	249.256897	249.256897 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	39.9920425	39.9920425 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	51762	51762 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1234	1234 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	910116864	910116864	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	910116864	910116864	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	112.469505	112.469505 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	138.473877	138.473877 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	9.19094181	9.19094181 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	70.5879364	70.5879364 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	45601	45601 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	16090	16090 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	910116864	910116864	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	910116864	910116864	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.73 (Repeat Count = 1) ✔

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

Name	Input Value
k_AutoCntrLoSpdTimer2_mS_u16	34521
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.384000003
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	31.2339993
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	402713344

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	190.477554	190.477554 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	178.790085	178.790085 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.47036648	6.47036648 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	46.9611549	46.9611549 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49799	49799 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53632	53632 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	402713344	402713344	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	402713344	402713344	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000778794289	0.000778811518 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	31.3933392	31.3933392 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	3.91197205	3.91197205 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.8332462	16.8332462 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	40.3496017	40.3496017 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	49799	49799 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1568	1568 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	402713344	402713344	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	402713344	402713344	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	114.137932	114.137932 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	109.448532	109.448532 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.6375922	1.63759208 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	50.4249611	50.4249611 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37638	37638 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34521	34521 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	402713344	402713344	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	402713344	402713344	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000778794289	0.000778811518 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.384000003	0.384000003	✔
VehDyn_SLPHwPos_HwDeg_M_f32	31.2339993	31.2339993	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.74 (Repeat Count = 1)   ✔

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

Name	Input Value
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	453.257568
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	8.62326527
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	130.321442
k_AutoCntrLoSpdTimer1_mS_u16	57817
k_AutoCntrLoSpdTimer2_mS_u16	34611
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.390599996
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	7.20100021
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	4178051584

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	179.741653	179.741653 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.046783	156.046783 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0.99505949	0.99505949 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	19.041563	19.041563 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49400	49400 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	48941	48941 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4178051584	4178051584	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4178051584	4178051584	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	279.967194	279.967194 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.4936218	86.4936218 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.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	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	453.257568	453.257568 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	130.321442	130.321442 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.62326527	8.62326527 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.1003494	41.1003494 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	57817	57817 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34611	34611 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4178051584	4178051584	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4178051584	4178051584	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.75 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	64.989418
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.000199999995
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

Name	Input Value
k_AutoCntrHiSpdTimer4_mS_u16	41475
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	95.4522934
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0344000012
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	287.461334
k_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.NVMStoredLastPos_HwDeg_f32	-16.8320007
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	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	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	144.154984	144.154984 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	55.1080475	55.1080475 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	11.458559	11.458559 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	64.989418	64.989418 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	50710	50710 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2236	2236 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4077829376	4077829376	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4077829376	4077829376	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	287.461334	287.461334 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	58.312088	58.312088 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.12687922	7.12687922 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	95.4522934	95.4522934 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	49661	49661 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	59445	59445 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4077829376	4077829376	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4077829376	4077829376	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.397199988	0.397199988	✔
VehDyn_SLPHwPos_HwDeg_M_f32	-16.8320007	-16.8320007	✔

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

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

Name	Input Value
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	23.81703
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	531.758972
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	6.92990065
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	245.5401
k_AutoCntrHiSpdTimer4_mS_u16	34733
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	99.4496155
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0458000004
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	289.349548
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	14.9216394
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	158.512024
k_AutoCntrLoSpdTimer1_mS_u16	33241
k_AutoCntrLoSpdTimer2_mS_u16	55884
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.403800011
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-40.8650017
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	2644937728

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	531.758972	531.758972 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	245.5401	245.5401 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.92990065	6.92990065 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	23.81703	23.81703 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	42690	42690 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34733	34733 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2644937728	2644937728	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2644937728	2644937728	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	80.0510254	80.0510254 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.186646	124.186646 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.94539928	8.94539928 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	87.8902435	87.8902435 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	42690	42690 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2570	2570 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2644937728	2644937728	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2644937728	2644937728	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	289.349548	289.349548 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	158.512024	158.512024 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.9216394	14.9216394 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	99.4496155	99.4496155 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33241	33241 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	55884	55884 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2644937728	2644937728	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2644937728	2644937728	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.77 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.000300000014
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	416.42218

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Name	Input Value
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.68037319
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.185226
k_AutoCntrHiSpdTimer1_mS_u16	30272
k_AutoCntrHiSpdTimer2_mS_u16	2904
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	51.7886963
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	272.816681
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.0401011
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	209.062363
k_AutoCntrHiSpdTimer4_mS_u16	3628
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	59.735672
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	499.624054
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.55805016
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	125.396591
k_AutoCntrLoSpdTimer1_mS_u16	36412
k_AutoCntrLoSpdTimer2_mS_u16	14998
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.410400003
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-64.8980026
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	2212175616

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	272.816681	272.816681 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	209.062363	209.062363 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.0401011	13.0401011 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.7886963	51.7886963 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3628	3628 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2212175616	2212175616	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2212175616	2212175616	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	416.42218	416.42218 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	168.185226	168.185226 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.68037319	8.68037319 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	24.5077915	24.5077915 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2904	2904 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2212175616	2212175616	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2212175616	2212175616	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	3.75509262e-006	3.76990397e-006 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	499.624054	499.624054 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	125.396591	125.396591 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.55805016	6.55805016 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	59.735672	59.735672 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	36412	36412 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14998	14998 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2212175616	2212175616	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2212175616	2212175616	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.410400003	0.410400003	✔
VehDyn_SLPHwPos_HwDeg_M_f32	-64.8980026	-64.8980026	✔

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

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

Name	Input Value
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	91.3826141
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00520000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	683.818359
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	0.0764636993
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	34.4863586
k_AutoCntrHiSpdTimer1_mS_u16	23210
k_AutoCntrHiSpdTimer2_mS_u16	3238
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	75.1060562
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	108.829964
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.80758381
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	169.04245
k_AutoCntrHiSpdTimer4_mS_u16	7187
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	53.7309608
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	228.670547
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.7742443
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	174.289764
k_AutoCntrLoSpdTimer1_mS_u16	11413
k_AutoCntrLoSpdTimer2_mS_u16	48604
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.000199999995
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.416999996
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-88.9309998
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	2059598336

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	108.829964	108.829964 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.04245	169.04245 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.80758381	7.80758381 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1060562	75.1060562 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	23210	23210 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7187	7187 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2059598336	2059598336	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2059598336	2059598336	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	683.818359	683.818359 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.4863586	34.4863586 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0.0764636993	0.0764636993 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	91.3826141	91.3826141 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	23210	23210 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3238	3238 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2059598336	2059598336	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2059598336	2059598336	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.53266907e-005	6.53429888e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	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	0.000403299142 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.79 (Repeat Count = 1)   ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	77.5132141
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0350000001
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	39.0381813
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	5.52265358
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	232.692337
k_AutoCntrHiSpdTimer1_mS_u16	38590
k_AutoCntrHiSpdTimer2_mS_u16	3572
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	5.39439726
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	400.168243
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	19.648386
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	17.4615631
k_AutoCntrHiSpdTimer4_mS_u16	37023
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	62.1222305
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	443.858398
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.18688083
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	226.96962
k_AutoCntrLoSpdTimer1_mS_u16	54120
k_AutoCntrLoSpdTimer2_mS_u16	46193
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.100000001
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.423599988
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-112.963997
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	800969984

Name	Actual Value	Expected Value	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	0.00106757123 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	39.0381813	39.0381813 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	232.692337	232.692337 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.52265358	5.52265358 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	77.5132141	77.5132141 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38590	38590 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3572	3572 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	800969984	800969984	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	800969984	800969984	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	443.858398	443.858398 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.96962	226.96962 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.18688083	3.18688083 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	62.1222305	62.1222305 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	54120	54120 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	46193	46193 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	800969984	800969984	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	800969984	800969984	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.423599988	0.423599988	✔
VehDyn_SLPHwPos_HwDeg_M_f32	-112.963997	-112.963997	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.80 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	7.04372168
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00600000005
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	55.3411407
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	6.96820259
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	102.746277
k_AutoCntrHiSpdTimer1_mS_u16	6114
k_AutoCntrHiSpdTimer2_mS_u16	3906
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	55.9956245
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	84.2065811
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	15.3837309
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	119.126099
k_AutoCntrHiSpdTimer4_mS_u16	32226
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	9.00450611
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00300000003
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00700000022
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	145.500351
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	12.452816
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	94.8519287
k_AutoCntrLoSpdTimer1_mS_u16	19115
k_AutoCntrLoSpdTimer2_mS_u16	24462
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0350000001
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.430200011
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-136.996994
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	569984000

Name	Actual Value	Expected Value	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	3.76984026e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.79764557e-005	8.79607251e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	55.3411407	55.3411407 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	102.746277	102.746277 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.96820259	6.96820259 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	7.04372168	7.04372168 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	6114	6114 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3906	3906 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	569984000	569984000	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	569984000	569984000	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	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	3.76984026e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.79764557e-005	8.79607251e-005 ± 1.25663627181805E-06	✔

Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

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

Test Step 2.81 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	32.0222664	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989	
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.NVMStoredLastPos_HwDeg_f32	-161.029999	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	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	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	575.91394	575.91394 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	204.072876	204.072876 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.9376688	8.9376688 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0222664	32.0222664 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5222	5222 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4240	4240 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2242866176	2242866176	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2242866176	2242866176	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	195.818787	195.818787 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	29.3435669	29.3435669 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.82910013	7.82910013 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	95.9834061	95.9834061 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532	25532 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401	27401 ± 2	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2242866176	2242866176	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2242866176	2242866176	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.436800003	0.436800003	✔
VehDyn_SLPHwPos_HwDeg_M_f32	-161.029999	-161.029999	✔

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

Test Step 2.82 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	7.2738266	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00200000009	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	460.901886	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.00629902	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	92.026535	
k_AutoCntrHiSpdTimer1_mS_u16	16931	
k_AutoCntrHiSpdTimer2_mS_u16	4574	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	51.3993683	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	119.134666	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	103.723984	
k_AutoCntrHiSpdTimer4_mS_u16	51145	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	65.2026672	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	581.690918	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.79465103	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	236.401962	
k_AutoCntrLoSpdTimer1_mS_u16	46296	
k_AutoCntrLoSpdTimer2_mS_u16	9393	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00899999961	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.443399996	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-185.063004	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2269150976	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	119.134666	119.134666 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	103.723984	103.723984 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0	0 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.3993683	51.3993683 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16931	16931 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51145	51145 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	460.901886	460.901886 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	92.026535	92.026535 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.00629902	8.00629902 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	7.2738266	7.2738266 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16931	16931 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4574	4574 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	581.690918	581.690918 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.401962	236.401962 ± 0.5	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.79465103	6.79465103 ± 0.04	✓
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	65.2026672	65.2026672 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	46296	46296 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	9393	9393 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976	2269150976	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2269150976	2269150976	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✓
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✓
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✓
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✓

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

Test Step 2.83 (Repeat Count = 1)		✓
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	91.5981827	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	160.17424	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	4.19048309	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	28.4624329	
k_AutoCntrHiSpdTimer1_mS_u16	20459	
k_AutoCntrHiSpdTimer2_mS_u16	4908	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	53.1939697	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	201.577209	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	20	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	194.557587	
k_AutoCntrHiSpdTimer4_mS_u16	55301	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	52.1249008	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.063000001	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	578.046082	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.1874886	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	158.773651	
k_AutoCntrLoSpdTimer1_mS_u16	21486	
k_AutoCntrLoSpdTimer2_mS_u16	38584	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.449999988	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-209.095993	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	3533260288	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	201.577209	201.577209 ± 0.2	✓
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	194.557587	194.557587 ± 0.5	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✓
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.1939697	53.1939697 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20459	20459 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	55301	55301 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3533260288	3533260288	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3533260288	3533260288	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	160.17424	160.17424 ± 0.2	✓
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	28.4624329	28.4624329 ± 0.5	✓
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.19048309	4.19048309 ± 0.04	✓
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	91.5981827	91.5981827 ± 0.0625	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20459	20459 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4908	4908 ± 2	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3533260288	3533260288	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3533260288	3533260288	✓

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

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

Test Step 2.84 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	87.8902435	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0759999976	
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	23.81703	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	531.758972	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	6.92990065	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	245.5401	
k_AutoCntrHiSpdTimer4_mS_u16	34733	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	99.4496155	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0458000004	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	289.349548	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	14.9216394	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	158.512024	
k_AutoCntrLoSpdTimer1_mS_u16	33241	
k_AutoCntrLoSpdTimer2_mS_u16	55884	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0759999976	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.489600003	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-353.294006	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	1759885568	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	531.758972	531.758972 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	245.5401	245.5401 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.92990065	6.92990065 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	23.81703	23.81703 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	42690	42690 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34733	34733 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1759885568	1759885568	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	80.0510254	80.0510254 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.186646	124.186646 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.94539928	8.94539928 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	87.8902435	87.8902435 ± 0.0625	✔

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

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

Test Step 2.85 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0225000009	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	416.42218	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.68037319	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.185226	
k_AutoCntrHiSpdTimer1_mS_u16	30272	
k_AutoCntrHiSpdTimer2_mS_u16	2904	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	51.7886963	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	272.816681	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.0401011	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	209.062363	
k_AutoCntrHiSpdTimer4_mS_u16	3628	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	59.735672	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	499.624054	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.55805016	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	125.396591	
k_AutoCntrLoSpdTimer1_mS_u16	36412	
k_AutoCntrLoSpdTimer2_mS_u16	14998	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0225000009	
k_SLPEnableBFCheck_Cnt_lgc	1	
k_SLPHwAuthority_Uls_f32	0.496199995	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-377.326996	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	1662097408	
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	272.816681	272.816681 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	209.062363	209.062363 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.0401011	13.0401011 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.7886963	51.7886963 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3628	3628 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔

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

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

Test Step 2.86 (Repeat Count = 1)			✔
Name	**Input Value**		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	91.3826141		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0491000004		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	683.818359		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	0.0764636993		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	34.4863586		
k_AutoCntrHiSpdTimer1_mS_u16	23210		
k_AutoCntrHiSpdTimer2_mS_u16	3238		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	75.1060562		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	108.829964		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.80758381		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	169.04245		
k_AutoCntrHiSpdTimer4_mS_u16	7187		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	53.7309608		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	228.670547		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.7742443		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	174.289764		
k_AutoCntrLoSpdTimer1_mS_u16	11413		
k_AutoCntrLoSpdTimer2_mS_u16	48604		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001		
k_SLPEnableBFCheck_Cnt_lgc	0		
k_SLPHwAuthority_Uls_f32	0.502799988		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-401.359985		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	2127166208		
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	108.829964	108.829964 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.04245	169.04245 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.80758381	7.80758381 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1060562	75.1060562 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	23210	23210 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7187	7187 ± 2	✔

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

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

Test Step 2.87 (Repeat Count = 1)			✔
Name	**Input Value**		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_Igc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Igc		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	77.5132141		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00200000009		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00899999961		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	39.0381813		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	5.52265358		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	232.692337		
k_AutoCntrHiSpdTimer1_mS_u16	38590		
k_AutoCntrHiSpdTimer2_mS_u16	3572		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	5.39439726		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	400.168243		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	19.648386		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	17.4615631		
k_AutoCntrHiSpdTimer4_mS_u16	37023		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	62.1222305		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	443.858398		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.18688083		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	226.96962		
k_AutoCntrLoSpdTimer1_mS_u16	54120		
k_AutoCntrLoSpdTimer2_mS_u16	46193		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009		
k_SLPEnableBFCheck_Cnt_Igc	1		
k_SLPHwAuthority_Uls_f32	0.50940001		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-425.393005		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_Igc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Igc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	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	✔

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

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

Test Step 2.88 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	64.989418	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00520000001	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	144.154984	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	11.458559	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	55.1080475	
k_AutoCntrHiSpdTimer1_mS_u16	50710	
k_AutoCntrHiSpdTimer2_mS_u16	2236	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	56.9792366	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	540.500305	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	9.40114307	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	47.8860626	
k_AutoCntrHiSpdTimer4_mS_u16	41475	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	95.4522934	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0344000012	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	287.461334	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.12687922	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	58.312088	
k_AutoCntrLoSpdTimer1_mS_u16	49661	
k_AutoCntrLoSpdTimer2_mS_u16	59445	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-641.690002	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	

Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008		

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

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

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

Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-665.723022		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	437658624		

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

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

Test Step 2.90 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00989999995	
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	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	59.735672	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	499.624054	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.55805016	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	125.396591	
k_AutoCntrLoSpdTimer1_mS_u16	36412	

Name	Input Value
k_AutoCntrLoSpdTimer2_mS_u16	14998
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.300000012
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-689.755981
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	3941357312

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	272.816681	272.816681 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	209.062363	209.062363 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.0401011	13.0401011 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.7886963	51.7886963 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3628	3628 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	416.42218	416.42218 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	168.185226	168.185226 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.68037319	8.68037319 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	24.5077915	24.5077915 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2904	2904 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000124394894	0.000124399332 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	499.624054	499.624054 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	125.396591	125.396591 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.55805016	6.55805016 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	59.735672	59.735672 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	36412	36412 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14998	14998 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.300000012	0.300000012	✔
VehDyn_SLPHwPos_HwDeg_M_f32	-689.755981	-689.755981	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.91 (Repeat Count = 1) ✔

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

Name	Input Value
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	228.670547
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.7742443
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	174.289764
k_AutoCntrLoSpdTimer1_mS_u16	11413
k_AutoCntrLoSpdTimer2_mS_u16	48604
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.58859998
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-1600
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	3304439296

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	108.829964	108.829964 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.04245	169.04245 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.80758381	7.80758381 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1060562	75.1060562 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	23210	23210 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7187	7187 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	683.818359	683.818359 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.4863586	34.4863586 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.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	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.42349434e-005	9.42433398e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	228.670547	228.670547 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	174.289764	174.289764 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.7742443	16.7742443 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.7309608	53.7309608 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	11413	11413 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	48604	48604 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.58859998	0.58859998	✔
VehDyn_SLPHwPos_HwDeg_M_f32	-1600	-1600	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.92 (Repeat Count = 1) ✔

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

Name	Input Value
k_AutoCntrHiSpdTimer4_mS_u16	37023
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	62.1222305
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0850000009
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	443.858398
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	3.18688083
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	226.96962
k_AutoCntrLoSpdTimer1_mS_u16	54120
k_AutoCntrLoSpdTimer2_mS_u16	46193
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00200000009
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.595200002
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	2167769344

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	400.168243	400.168243 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	17.4615631	17.4615631 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	19.648386	19.648386 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	5.39439726	5.39439726 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38590	38590 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	37023	37023 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2167769344	2167769344	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2167769344	2167769344	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	39.0381813	39.0381813 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	232.692337	232.692337 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.52265358	5.52265358 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	77.5132141	77.5132141 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38590	38590 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3572	3572 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2167769344	2167769344	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000188469887	0.000188477788 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	443.858398	443.858398 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.96962	226.96962 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.18688083	3.18688083 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	62.1222305	62.1222305 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	54120	54120 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	46193	46193 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2167769344	2167769344	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2167769344	2167769344	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106757879	0.00106757123 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51531601e-005	2.51324254e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.595200002	0.595200002	✔
VehDyn_SLPHwPos_HwDeg_M_f32	1600	1600	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.93 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	7.04372168
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	55.3411407
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	6.96820259
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	102.746277
k_AutoCntrHiSpdTimer1_mS_u16	6114
k_AutoCntrHiSpdTimer2_mS_u16	3906

Name	Input Value
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	55.9956245
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	84.2065811
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	15.3837309
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	119.126099
k_AutoCntrHiSpdTimer4_mS_u16	32226
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	9.00450611
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00300000003
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00700000022
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	145.500351
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	12.452816
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	94.8519287
k_AutoCntrLoSpdTimer1_mS_u16	19115
k_AutoCntrLoSpdTimer2_mS_u16	24462
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.601800025
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	0
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	84.2065811	84.2065811 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	119.126099	119.126099 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	15.3837309	15.3837309 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	55.9956245	55.9956245 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	6114	6114 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	32226	32226 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3714197504	3714197504	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.76701355e-005	3.76984026e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.79764557e-005	8.79607251e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	55.3411407	55.3411407 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	102.746277	102.746277 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.96820259	6.96820259 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	7.04372168	7.04372168 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	6114	6114 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3906	3906 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3714197504	3714197504	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	145.500351	145.500351 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	94.8519287	94.8519287 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.452816	12.452816 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	9.00450611	9.00450611 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	19115	19115 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	24462	24462 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3714197504	3714197504	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.76701355e-005	3.76984026e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	8.79764557e-005	8.79607251e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

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

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

Name	Input Value
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.9376688
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	204.072876
k_AutoCntrHiSpdTimer1_mS_u16	5222
k_AutoCntrHiSpdTimer2_mS_u16	4240
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	93.8445969
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	312.352844
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	8.16609764
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	68
k_AutoCntrHiSpdTimer4_mS_u16	31042
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	95.9834061
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	195.818787
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	7.82910013
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	29.3435669
k_AutoCntrLoSpdTimer1_mS_u16	25532
k_AutoCntrLoSpdTimer2_mS_u16	27401
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0344000012
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.608399987
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	785.888
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	3323480832

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	312.352844	312.352844 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	68	68 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.16609764	8.16609764 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	93.8445969	93.8445969 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5222	5222 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31042	31042 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3323480832	3323480832	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3323480832	3323480832	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	575.91394	575.91394 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	204.072876	204.072876 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.9376688	8.9376688 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0222664	32.0222664 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5222	5222 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4240	4240 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3323480832	3323480832	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3323480832	3323480832	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	195.818787	195.818787 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	29.3435669	29.3435669 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.82910013	7.82910013 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	95.9834061	95.9834061 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532	25532 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401	27401 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3323480832	3323480832	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3323480832	3323480832	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000432193279	0.000432189729 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.608399987	0.608399987	✔
VehDyn_SLPHwPos_HwDeg_M_f32	785.888	785.888	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.95 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2

Name	Input Value
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	7.2738266
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0458000004
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.063000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	460.901886
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.00629902
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	92.026535
k_AutoCntrHiSpdTimer1_mS_u16	16931
k_AutoCntrHiSpdTimer2_mS_u16	4574
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	51.3993683
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	119.134666
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	103.723984
k_AutoCntrHiSpdTimer4_mS_u16	51145
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	65.2026672
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.00899999961
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	581.690918
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.79465103
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	236.401962
k_AutoCntrLoSpdTimer1_mS_u16	46296
k_AutoCntrLoSpdTimer2_mS_u16	9393
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0458000004
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.61500001
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-809.921021
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	71426560

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	119.134666	119.134666 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	103.723984	103.723984 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0	0 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.3993683	51.3993683 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	16931	16931 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	51145	51145 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	71426560	71426560	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	71426560	71426560	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	460.901886	460.901886 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	92.026535	92.026535 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.00629902	8.00629902 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	7.2738266	7.2738266 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16931	16931 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	4574	4574 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	71426560	71426560	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	71426560	71426560	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	581.690918	581.690918 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.401962	236.401962 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.79465103	6.79465103 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	65.2026672	65.2026672 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	46296	46296 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	9393	9393 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	71426560	71426560	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	71426560	71426560	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000575363636	0.000575374172 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.61500001	0.61500001	✔
VehDyn_SLPHwPos_HwDeg_M_f32	-809.921021	-809.921021	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.96 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	58.6891289
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0250000004
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	57.2952843
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	2.56739569
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	11.313797
k_AutoCntrHiSpdTimer1_mS_u16	20825
k_AutoCntrHiSpdTimer2_mS_u16	12456
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	91.4300919
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	459.889984
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	18.1788235
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	195.647476
k_AutoCntrHiSpdTimer4_mS_u16	47347
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	45.5890503
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0250000004
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.0670000017
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	195.074249
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	15.5773945
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	208.55397
k_AutoCntrLoSpdTimer1_mS_u16	19617
k_AutoCntrLoSpdTimer2_mS_u16	42138
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.45660001
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-233.128998
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	0

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	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	57.2952843	57.2952843 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	11.313797	11.313797 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.56739569	2.56739569 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	58.6891289	58.6891289 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20825	20825 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	12456	12456 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	195.074249	195.074249 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	208.55397	208.55397 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	15.5773945	15.5773945 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.5890503	45.5890503 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	19617	19617 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	42138	42138 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000841617584	0.000841592497 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0	0	✔
VehDyn_SLPHwPos_HwDeg_M_f32	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.97 (Repeat Count = 1) ✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	39.9920425
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.000199999995
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0350000001
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	595.803711
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	20
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	249.256897
k_AutoCntrHiSpdTimer1_mS_u16	51762
k_AutoCntrHiSpdTimer2_mS_u16	1234
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	52.9036674
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	637.189331
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	4.48333788
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	60.9433594
k_AutoCntrHiSpdTimer4_mS_u16	35091
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	70.5879364
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00600000005
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	112.469505
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	9.19094181
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	138.473877
k_AutoCntrLoSpdTimer1_mS_u16	45601
k_AutoCntrLoSpdTimer2_mS_u16	16090
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0250000004
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.463200003
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-257.161987
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	4294967295

Name	Actual Value	Expected Value	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	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	595.803711	595.803711 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	249.256897	249.256897 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20	20 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	39.9920425	39.9920425 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	51762	51762 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1234	1234 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.50339508e-006	2.51327106e-006 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	112.469505	112.469505 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	138.473877	138.473877 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	9.19094181	9.19094181 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	70.5879364	70.5879364 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	45601	45601 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	16090	16090 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	7.53998756e-005	7.53953791e-005 ± 1.25663627181805E-06	✔

Name	Actual Value	Expected Value	Result
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000314116478	0.00031410993 ± 1.25663627181805E-06	✓
VehDyn_SLPHwAuth_Uls_M_f32	0.463200003	0.463200003	✓
VehDyn_SLPHwPos_HwDeg_M_f32	-257.161987	-257.161987	✓

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

Test Step 2.98 (Repeat Count = 1)			✓
Name	**Input Value**		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2		
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	40.3496017		
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.100000001		
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0560000017		
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	31.3933392		
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	16.8332462		
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	3.91197205		
k_AutoCntrHiSpdTimer1_mS_u16	49799		
k_AutoCntrHiSpdTimer2_mS_u16	1568		
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	46.9611549		
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	190.477554		
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	6.47036648		
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	178.790085		
k_AutoCntrHiSpdTimer4_mS_u16	53632		
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	50.4249611		
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.061999999		
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00779999979		
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	114.137932		
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	1.6375922		
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	109.448532		
k_AutoCntrLoSpdTimer1_mS_u16	37638		
k_AutoCntrLoSpdTimer2_mS_u16	34521		
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989		
k_SLPEnableBFCheck_Cnt_lgc	1		
k_SLPHwAuthority_Uls_f32	0.469799995		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-281.195007		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	1720406272		
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	190.477554	190.477554 ± 0.2	✓
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	178.790085	178.790085 ± 0.5	✓
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.47036648	6.47036648 ± 0.04	✓
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	46.9611549	46.9611549 ± 0.0625	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49799	49799 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53632	53632 ± 2	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1720406272	1720406272	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1720406272	1720406272	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000778794289	0.000778811518 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	✓
VehDyn_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	1720406272	1720406272	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1720406272	1720406272	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125586987	0.00125584786 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000703454018	0.00070346921 ± 1.25663627181805E-06	✓
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	114.137932	114.137932 ± 0.2	✓
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	109.448532	109.448532 ± 0.5	✓
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.6375922	1.63759208 ± 0.04	✓
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	50.4249611	50.4249611 ± 0.0625	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37638	37638 ± 2	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34521	34521 ± 2	✓

TEST DETAILS REPORT

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VehDyn_Init1

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

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

Test Step 2.99 (Repeat Count = 1)

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	24.5077915
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.0225000009
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	416.42218
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	8.68037319
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	168.185226
k_AutoCntrHiSpdTimer1_mS_u16	30272
k_AutoCntrHiSpdTimer2_mS_u16	2904
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	51.7886963
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	272.816681
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	13.0401011
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	209.062363
k_AutoCntrHiSpdTimer4_mS_u16	3628
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	59.735672
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.063000001
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00499999989
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	499.624054
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	6.55805016
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	125.396591
k_AutoCntrLoSpdTimer1_mS_u16	36412
k_AutoCntrLoSpdTimer2_mS_u16	14998
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.0225000009
k_SLPEnableBFCheck_Cnt_lgc	1
k_SLPHwAuthority_Uls_f32	0.496199995
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-377.326996
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	1662097408

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	272.816681	272.816681 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	209.062363	209.062363 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	13.0401011	13.0401011 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	51.7886963	51.7886963 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3628	3628 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791370869	0.000791368075 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	416.42218	416.42218 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	168.185226	168.185226 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.68037319	8.68037319 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	24.5077915	24.5077915 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30272	30272 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	2904	2904 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00028270483	0.000282703375 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	499.624054	499.624054 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	125.396591	125.396591 ± 0.5	✔

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

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

Test Step 2.100 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	91.3826141	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.063000001	
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.0491000004	
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	683.818359	
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	0.0764636993	
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	34.4863586	
k_AutoCntrHiSpdTimer1_mS_u16	23210	
k_AutoCntrHiSpdTimer2_mS_u16	3238	
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	75.1060562	
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	108.829964	
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	7.80758381	
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	169.04245	
k_AutoCntrHiSpdTimer4_mS_u16	7187	
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	53.7309608	
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.0320999995	
k_AutoCntrLoSpdFilt2Kn_Hz_f32	0.00899999961	
k_AutoCntrLoSpdTimer1MtrVel_MtrRadpS_f32	228.670547	
k_AutoCntrLoSpdTimer1PinTrq_HwNm_f32	16.7742443	
k_AutoCntrLoSpdTimer1VehSpd_kph_f32	174.289764	
k_AutoCntrLoSpdTimer1_mS_u16	11413	
k_AutoCntrLoSpdTimer2_mS_u16	48604	
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.063000001	
k_SLPEnableBFCheck_Cnt_lgc	0	
k_SLPHwAuthority_Uls_f32	0.502799988	
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	-401.359985	
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1	
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1	
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset	
tgt_GetSystemTime_mS_u32_CurrentTime	2127166208	
Name	**Actual Value**	**Expected Value**	**Result**

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	108.829964	108.829964 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	169.04245	169.04245 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.80758381	7.80758381 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.1060562	75.1060562 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	23210	23210 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7187	7187 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000403285027	0.000403299142 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000113070011	0.000113090937 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	683.818359	683.818359 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.4863586	34.4863586 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0.0764636993	0.0764636993 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	91.3826141	91.3826141 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	23210	23210 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3238	3238 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2127166208	2127166208	✔

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

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

Test Case 3: Path Test	✔

Specification	Performance Metrics: (With "None" Instrumentation and "WithPS" Environment) CPU Cycles: TS3.1 3945.00 Cycles TS3.2 3974.00 Cycles TS3.3 3945.00 Cycles
Description	Vector Description: TS 3.1(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE) && (((FaultBFActive_Cnt_T_lgc & k_SLPEnableBFCheck_Cnt_lgc) == FALSE)))=False TS 3.2(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE) && (((FaultBFActive_Cnt_T_lgc & k_SLPEnableBFCheck_Cnt_lgc) == FALSE)))=False TS 3.3(((Rte_Pim_MotPosReset()->NVMStoredLastPosValid_Cnt_lgc) == TRUE) && (((FaultBFActive_Cnt_T_lgc & k_SLPEnableBFCheck_Cnt_lgc) == FALSE)))=True

Test Step 3.1 (Repeat Count = 1)	✔

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	0
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.000199999995
k_AutoCntrHiSpdFilt2Kn_Hz_f32	0.000199999995
k_AutoCntrHiSpdTimer1MtrVel_MtrRadpS_f32	0
k_AutoCntrHiSpdTimer1PinTrq_HwNm_f32	0
k_AutoCntrHiSpdTimer1VehSpd_kph_f32	0
k_AutoCntrHiSpdTimer1_mS_u16	0
k_AutoCntrHiSpdTimer2_mS_u16	0
k_AutoCntrHiSpdTimer4CntrWindow_HwDeg_f32	0
k_AutoCntrHiSpdTimer4MtrVel_MtrRadpS_f32	0
k_AutoCntrHiSpdTimer4PinTrq_HwNm_f32	0
k_AutoCntrHiSpdTimer4VehSpd_kph_f32	0
k_AutoCntrHiSpdTimer4_mS_u16	0
k_AutoCntrLoSpdCntrWindow_HwDeg_f32	0
k_AutoCntrLoSpdFilt1Kn_Hz_f32	0.000199999995
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.NVMStoredLastPos_HwDeg_f32	-1600
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	0
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset

Name	Input Value		
tgt_GetSystemTime_mS_u32_CurrentTime	0		

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

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

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

Name	Input Value		
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1600		
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1		
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset		
tgt_GetSystemTime_mS_u32_CurrentTime	4294967295		

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

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

Test Step 3.3 (Repeat Count = 1)		✔
Name	**Input Value**	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn_2	
k_AutoCntrHiSpdCntrWindow_HwDeg_f32	16.8675175	
k_AutoCntrHiSpdFilt1Kn_Hz_f32	0.00499999989	
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	

Name	Input Value
k_AutoCntrLoSpdTimer2_mS_u16	38708
k_AutoCntrPinTrqLPFCoeffKn_Hz_f32	0.00499999989
k_SLPEnableBFCheck_Cnt_lgc	0
k_SLPHwAuthority_Uls_f32	0.00120000006
target_Pim_MotPosReset.NVMStoredLastPos_HwDeg_f32	1425.14795
target_Pim_MotPosReset.NVMStoredLastPosValid_Cnt_lgc	1
target_Rte_Call_Ap_VehDyn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0
target_Rte_Inst_Ap_VehDyn_2.Pim_MotPosReset	target_Pim_MotPosReset
tgt_GetSystemTime_mS_u32_CurrentTime	1720406272

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	577.715271	577.715271 ± 0.2	✔
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	69.9332428	69.9332428 ± 0.5	✔
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.6059322	18.6059322 ± 0.04	✔
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	47.1357269	47.1357269 ± 0.0625	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	19956	19956 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	47307	47307 ± 2	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1720406272	1720406272	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1720406272	1720406272	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000816464424	0.000816480606 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	511.249969	511.249969 ± 0.2	✔
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	119.398392	119.398392 ± 0.5	✔
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.49991417	2.49991417 ± 0.04	✔
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	16.8675175	16.8675175 ± 0.0625	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	19956	19956 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	1111	1111 ± 2	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1720406272	1720406272	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1720406272	1720406272	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	9.7990036e-005	9.80128898e-005 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0	0 ± 0.2	✔
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	113.628799	113.628799 ± 0.5	✔
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.4742603	16.4742603 ± 0.04	✔
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.2305069	97.2305069 ± 0.0625	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	49475	49475 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	38708	38708 ± 2	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1720406272	1720406272	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1720406272	1720406272	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000439703465	0.000439726253 ± 1.25663627181805E-06	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000816464424	0.000816480606 ± 1.25663627181805E-06	✔
VehDyn_PinTrqSV_M_str.K_Uls_f32	6.28232956e-005	6.28298803e-005 ± 1.25663627181805E-06	✔
VehDyn_SLPHwAuth_Uls_M_f32	0.00120000006	0.00120000006	✔
VehDyn_SLPHwPos_HwDeg_M_f32	1425.14795	1425.14795	✔

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

Project	VehDyn
Module	VehDyn
Test Object	VehDyn_Per1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	✔
Failed	0	
Not Executed	0	

Module Properties

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

Comments/Description/Specification	
Name	**Text**
Module 'VehDyn'	*********************************UNIT TEST INFORMATION*** Name of Tester:Spoorti Mali Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:8 Module Design Document:VehDyn_MDD.docx Module Design Document Version:9 Data Dictionary Version:10 Unit Test Plan Version:6 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2278 Total RAM Used (Bytes):201 Total CALS Used (Bytes):115 Special Test Requirements: Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference." **

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

Attributes

Name	Value
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: Metric Test ✓

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

CPU Cycles :
TS 1.1 1031.00 Cycles
TS 1.2 1480.00 Cycles
```

Description   Vector Description:

TS 1.1"Shortest Execution Path:
(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=TRUE && (ElapsedTime_mS_T_u32 > k_SrlHwAgVldTiThd_mS_u32)=FALSE && (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 && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=TRUE && (VehDyn_Initialize_Cnt_M_lgc == FALSE)=TRUE && ((CwEOTPosition_HwDeg_T_f32)<=(VehDyn_MaxOffset_HwDeg_M_f32 + OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE && ((CcwEOTPosition_HwDeg_T_f32)>=(VehDyn_MinOffset_HwDeg_M_f32+ OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE && (MaxAbsHwPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=TRUE &&((Deadband_Uls_T_f32 > k_TravelXCDeadband_Uls_f32) || (Deadband_Uls_T_f32 < D_ZERO_ULS_F32))=TRUE && (VDAuthority_Uls_T_f32 > D_NOAUTH_ULS_F32)=TRUE &&(SnsrlessHwPos_HwDeg_T_f3)>=1600)=TRUE/FALSE && (SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE"
TS 1.2"Longest Execution Path:
(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=FALSE && (ElapsedTime_mS_T_u32 > k_SrlHwAgVldTiThd_mS_u32)=TRUE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == FALSE)=TRUE && ((VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE))=TRUE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc == TRUE)=TRUE && (VehDyn_Initialize_Cnt_M_lgc == FALSE)=FALSE && ((VehDyn_MaxOffset_HwDeg_M_f32<=((CwEOTPosition_HwDeg_T_f32 - OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE && ((VehDyn_MinOffset_HwDeg_M_f32>=((CcwEOTPosition_HwDeg_T_f32 - OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE && ((CwEOTPosition_HwDeg_T_f32)<=(VehDyn_MaxOffset_HwDeg_M_f32 + OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE && ((CcwEOTPosition_HwDeg_T_f32)>=(VehDyn_MinOffset_HwDeg_M_f32+ OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE && (MaxAbsHwPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE && (MinAbsHwPos_HwDeg_T_f32 > D_ZERO_ULS_F32)=TRUE &&((Deadband_Uls_T_f32 > k_TravelXCDeadband_Uls_f32) || (Deadband_Uls_T_f32 < D_ZERO_ULS_F32))=TRUE && (VDAuthority_Uls_T_f32 > D_NOAUTH_ULS_F32)=FALSE && (TravelXCHwAuth_Uls_T_f32 > D_NOAUTH_ULS_F32)=FALSE &&(SnsrlessHwPos_HwDeg_T_f3)>=1600)=TRUE/FALSE && (SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE"

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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000658000004
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000658000004
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	631.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54.2299995
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000167299993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000788000005
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.6999998

Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.7000008		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.69999981		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.7000008		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.66000006e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000658000004		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	389.126007		
VehDyn_MinOffset_HwDeg_M_f32	-1412.41797		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000254999992		
VehDyn_SLPHwAuth_Uls_M_f32	0.926999986		
VehDyn_SLPHwPos_HwDeg_M_f32	-1548.10999		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736		
k_HiSpdVDAuthority_Uls_f32	0.75999999		
k_HwTqMgnThd_HwNm_f32	1		
k_LoSpdVDAuthority_Uls_f32	0.560000002		
k_SrlHwAgVldTiThd_mS_u32	9		
k_SysKinRatio_MtrDegpHwDeg_f32	54.2999992		
k_TravelXCDeadband_Uls_f32	7.01000023		
k_TravelXCHwAuthority_Uls_f32	0.0203000009		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	65		
target_GetSystemTime_mS_u32_CurrentTime	2075080192		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1117112832		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1413.10999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	418.868011		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	752.75		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-880.02002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	20.1399994		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✓

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

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

Test Step 1.2 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.4000015	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.4000015	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.3000031	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.700012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.6999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.6999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1172.87
VehDyn_MinOffset_HwDeg_M_f32	-363.029999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989
VehDyn_SLPHwAuth_Uls_M_f32	0.275999993
VehDyn_SLPHwPos_HwDeg_M_f32	62.7099991
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	0.899999976
k_SrlHwAgVldTiThd_mS_u32	112
k_SysKinRatio_MtrDegpHwDeg_f32	63.3199997
k_TravelXCDeadband_Uls_f32	3.38000011
k_TravelXCHwAuthority_Uls_f32	0.212624997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.290009
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1076.80298
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.11000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-714.090027
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1312.13
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	1024	✔

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

Test Case 2: Boundary Test ✔

Specification

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

CPU Cycles :
TS 2.1 1055.00 Cycles
TS 2.2 1052.00 Cycles
TS 2.3 1041.00 Cycles
TS 2.4 1273.00 Cycles
TS 2.5 1034.00 Cycles
TS 2.6 1260.00 Cycles
TS 2.7 1040.00 Cycles
TS 2.8 1055.00 Cycles
TS 2.9 1045.00 Cycles
TS 2.10 1250.00 Cycles
TS 2.11 1029.00 Cycles
TS 2.12 1267.00 Cycles
TS 2.13 1045.00 Cycles
TS 2.14 1262.00 Cycles
TS 2.15 1033.00 Cycles
TS 2.16 1261.00 Cycles
TS 2.17 1044.00 Cycles
TS 2.18 1262.00 Cycles
TS 2.19 1051.00 Cycles
TS 2.20 1267.00 Cycles
TS 2.21 1253.00 Cycles
TS 2.22 1253.00 Cycles
TS 2.23 1031.00 Cycles
TS 2.24 1267.00 Cycles
TS 2.25 1057.00 Cycles
TS 2.26 1250.00 Cycles
TS 2.27 1032.00 Cycles
TS 2.28 1267.00 Cycles
TS 2.29 1062.00 Cycles
TS 2.30 1262.00 Cycles
TS 2.31 1044.00 Cycles
TS 2.32 1032.00 Cycles
TS 2.33 1044.00 Cycles
TS 2.34 1044.00 Cycles
TS 2.35 1045.00 Cycles
TS 2.36 1265.00 Cycles
TS 2.37 1055.00 Cycles
TS 2.38 1251.00 Cycles
TS 2.39 1253.00 Cycles
TS 2.40 1264.00 Cycles
TS 2.41 1063.00 Cycles
TS 2.42 1259.00 Cycles
TS 2.43 1048.00 Cycles
TS 2.44 1259.00 Cycles
TS 2.45 1046.00 Cycles
TS 2.46 1054.00 Cycles
TS 2.47 1033.00 Cycles
TS 2.48 1272.00 Cycles
TS 2.49 1049.00 Cycles
TS 2.50 1267.00 Cycles
TS 2.51 1033.00 Cycles
TS 2.52 1251.00 Cycles
TS 2.53 1046.00 Cycles
TS 2.54 1265.00 Cycles
TS 2.55 1033.00 Cycles
TS 2.56 1251.00 Cycles
TS 2.57 1049.00 Cycles
TS 2.58 1270.00 Cycles
TS 2.59 1052.00 Cycles
TS 2.60 1049.00 Cycles
TS 2.61 1063.00 Cycles
TS 2.62 1263.00 Cycles
TS 2.63 1049.00 Cycles
TS 2.64 1253.00 Cycles
TS 2.65 1275.00 Cycles
TS 2.66 1283.00 Cycles
TS 2.67 1036.00 Cycles
TS 2.68 1034.00 Cycles
TS 2.69 1267.00 Cycles
TS 2.70 1048.00 Cycles
TS 2.71 1266.00 Cycles
TS 2.72 1034.00 Cycles
TS 2.73 1064.00 Cycles
TS 2.74 1282.00 Cycles
TS 2.75 1032.00 Cycles
TS 2.76 1270.00 Cycles
TS 2.77 1055.00 Cycles
TS 2.78 1051.00 Cycles
TS 2.79 1282.00 Cycles
TS 2.80 1056.00 Cycles
TS 2.81 1277.00 Cycles
TS 2.82 1266.00 Cycles
TS 2.83 1049.00 Cycles
TS 2.84 1264.00 Cycles
TS 2.85 1052.00 Cycles
TS 2.86 1048.00 Cycles
TS 2.87 1048.00 Cycles
TS 2.88 1264.00 Cycles
TS 2.89 1044.00 Cycles
TS 2.90 1033.00 Cycles
TS 2.91 1035.00 Cycles
TS 2.92 1249.00 Cycles
TS 2.93 1048.00 Cycles
TS 2.94 1266.00 Cycles
TS 2.95 1033.00 Cycles
TS 2.96 1268.00 Cycles
TS 2.97 1050.00 Cycles
TS 2.98 1055.00 Cycles
TS 2.99 1051.00 Cycles
TS 2.100 1049.00 Cycles
TS 2.101 1046.00 Cycles
TS 2.102 1274.00 Cycles
TS 2.103 1056.00 Cycles
TS 2.104 1249.00 Cycles
TS 2.105 1266.00 Cycles
TS 2.106 1270.00 Cycles
TS 2.107 1263.00 Cycles
TS 2.108 1032.00 Cycles
TS 2.109 1281.00 Cycles
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TS 2.110 1061.00 Cycles
TS 2.111 1252.00 Cycles
TS 2.112 1043.00 Cycles
TS 2.113 1265.00 Cycles
TS 2.114 1289.00 Cycles
TS 2.115 1036.00 Cycles
TS 2.116 1248.00 Cycles
TS 2.117 1051.00 Cycles
TS 2.118 1265.00 Cycles
TS 2.119 1030.00 Cycles
TS 2.120 1249.00 Cycles
TS 2.121 1052.00 Cycles
TS 2.122 1266.00 Cycles
TS 2.123 1032.00 Cycles
TS 2.124 1265.00 Cycles
TS 2.125 1289.00 Cycles
TS 2.126 1269.00 Cycles
TS 2.127 1264.00 Cycles
TS 2.128 1251.00 Cycles
TS 2.129 1065.00 Cycles
TS 2.130 1265.00 Cycles
TS 2.131 1049.00 Cycles
TS 2.132 1261.00 Cycles
TS 2.133 1046.00 Cycles
TS 2.134 1280.00 Cycles
TS 2.135 1052.00 Cycles
TS 2.136 1032.00 Cycles
TS 2.137 1252.00 Cycles
TS 2.138 1266.00 Cycles
TS 2.139 1051.00 Cycles
TS 2.140 1032.00 Cycles
TS 2.141 1252.00 Cycles
TS 2.142 1278.00 Cycles
TS 2.143 1032.00 Cycles
TS 2.144 1265.00 Cycles
TS 2.145 1059.00 Cycles
TS 2.146 1044.00 Cycles
TS 2.147 1265.00 Cycles
TS 2.148 1036.00 Cycles
TS 2.149 1277.00 Cycles
TS 2.150 1052.00 Cycles
TS 2.151 1249.00 Cycles
TS 2.152 1033.00 Cycles
TS 2.153 1049.00 Cycles
TS 2.154 1261.00 Cycles
TS 2.155 1035.00 Cycles
TS 2.156 1252.00 Cycles
TS 2.157 1049.00 Cycles
TS 2.158 1265.00 Cycles
TS 2.159 1035.00 Cycles
TS 2.160 1046.00 Cycles
TS 2.161 1052.00 Cycles
TS 2.162 1054.00 Cycles
TS 2.163 1267.00 Cycles
TS 2.164 1258.00 Cycles
TS 2.165 1268.00 Cycles
TS 2.166 837.00 Cycles
TS 2.167 1250.00 Cycles
TS 2.168 837.00 Cycles
TS 2.169 1270.00 Cycles
TS 2.170 1045.00 Cycles
TS 2.171 1264.00 Cycles
TS 2.172 1032.00 Cycles
TS 2.173 1269.00 Cycles
TS 2.174 1044.00 Cycles
TS 2.175 1048.00 Cycles
TS 2.176 1258.00 Cycles
TS 2.177 1047.00 Cycles
TS 2.178 1049.00 Cycles
TS 2.179 1266.00 Cycles
TS 2.180 1048.00 Cycles
TS 2.181 1250.00 Cycles
TS 2.182 1252.00 Cycles
TS 2.183 1048.00 Cycles
TS 2.184 1031.00 Cycles
TS 2.185 1034.00 Cycles
TS 2.186 1030.00 Cycles
TS 2.187 1050.00 Cycles
TS 2.188 1051.00 Cycles
TS 2.189 1267.00 Cycles
TS 2.190 1258.00 Cycles
TS 2.191 1283.00 Cycles
TS 2.192 850.00 Cycles
TS 2.193 1250.00 Cycles
TS 2.194 836.00 Cycles
TS 2.195 1272.00 Cycles
TS 2.196 1037.00 Cycles
TS 2.197 1266.00 Cycles
TS 2.198 1049.00 Cycles
TS 2.199 1264.00 Cycles
TS 2.200 1045.00 Cycles
TS 2.201 1268.00 Cycles
TS 2.202 1046.00 Cycles
TS 2.203 1272.00 Cycles
TS 2.204 1062.00 Cycles
TS 2.205 1269.00 Cycles
TS 2.206 1045.00 Cycles
TS 2.207 1049.00 Cycles
TS 2.208 1270.00 Cycles
TS 2.209 1051.00 Cycles
TS 2.210 1266.00 Cycles
TS 2.211 1051.00 Cycles
TS 2.212 1264.00 Cycles
TS 2.213 1263.00 Cycles
TS 2.214 1061.00 Cycles
TS 2.215 1033.00 Cycles
TS 2.216 1267.00 Cycles
TS 2.217 1037.00 Cycles
TS 2.218 1043.00 Cycles
TS 2.219 1050.00 Cycles
TS 2.220 1248.00 Cycles
TS 2.221 1048.00 Cycles
TS 2.222 1049.00 Cycles
TS 2.223 1048.00 Cycles
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TS 2.224 1062.00 Cycles
TS 2.225 1031.00 Cycles
TS 2.226 1251.00 Cycles
TS 2.227 1265.00 Cycles
TS 2.228 1048.00 Cycles
TS 2.229 1253.00 Cycles
TS 2.230 1049.00 Cycles
TS 2.231 1266.00 Cycles
TS 2.232 1062.00 Cycles
TS 2.233 1267.00 Cycles
TS 2.234 1268.00 Cycles
TS 2.235 834.00 Cycles
TS 2.236 1250.00 Cycles
TS 2.237 836.00 Cycles
TS 2.238 1272.00 Cycles
TS 2.239 1057.00 Cycles
TS 2.240 1246.00 Cycles
TS 2.241 1030.00 Cycles
TS 2.242 1048.00 Cycles
TS 2.243 1266.00 Cycles
TS 2.244 1046.00 Cycles
TS 2.245 1260.00 Cycles
TS 2.246 1030.00 Cycles
TS 2.247 1249.00 Cycles
TS 2.248 1263.00 Cycles
TS 2.249 1271.00 Cycles
TS 2.250 1030.00 Cycles
TS 2.251 1257.00 Cycles
TS 2.252 1269.00 Cycles
TS 2.253 1044.00 Cycles
TS 2.254 1255.00 Cycles
TS 2.255 1050.00 Cycles
TS 2.256 1052.00 Cycles
TS 2.257 1263.00 Cycles
TS 2.258 1058.00 Cycles
TS 2.259 1052.00 Cycles
TS 2.260 1030.00 Cycles
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Description	Vector Description:

TS 2.1All Min
TS 2.2All Max
TS 2.3VehicleSpeed_Kph_f32 = Min
TS 2.4VehicleSpeed_Kph_f32 = Max
TS 2.5VehicleSpeed_Kph_f32 = Pos
TS 2.6HwTorque_HwNm_f32 = Min
TS 2.7HwTorque_HwNm_f32 = Max
TS 2.8HwTorque_HwNm_f32 = Zero
TS 2.9HwTorque_HwNm_f32 = Pos
TS 2.10HwTorque_HwNm_f32 = Neg
TS 2.11TorqueCmdCRF_MtrNm_f32 = Min
TS 2.12TorqueCmdCRF_MtrNm_f32 = Max
TS 2.13TorqueCmdCRF_MtrNm_f32 = Zero
TS 2.14TorqueCmdCRF_MtrNm_f32 = Pos
TS 2.15TorqueCmdCRF_MtrNm_f32 = Neg
TS 2.16VehicleSpeedValid_Cnt_lgc = Min
TS 2.17VehicleSpeedValid_Cnt_lgc = Max
TS 2.18MotorVelCRF_MtrRadpS_f32 = Min
TS 2.19MotorVelCRF_MtrRadpS_f32 = Max
TS 2.20MotorVelCRF_MtrRadpS_f32 = Zero
TS 2.21MotorVelCRF_MtrRadpS_f32 = Pos
TS 2.22MotorVelCRF_MtrRadpS_f32 = Neg
TS 2.23RelHwPos_HwDeg_f32 = Min
TS 2.24RelHwPos_HwDeg_f32 = Max
TS 2.25RelHwPos_HwDeg_f32 = Zero
TS 2.26RelHwPos_HwDeg_f32 = Pos
TS 2.27RelHwPos_HwDeg_f32 = Neg
TS 2.28k_SysKinRatio_MtrDegpHwDeg_f32 = Min
TS 2.29k_SysKinRatio_MtrDegpHwDeg_f32 = Max
TS 2.30k_SysKinRatio_MtrDegpHwDeg_f32 = Pos
TS 2.31VehDyn_PinTrqSV_M_Str.SV = Max
TS 2.32VehDyn_PinTrqSV_M_Str.SV = Min
TS 2.33VehDyn_PinTrqSV_M_Str.SV = Max
TS 2.34VehDyn_PinTrqSV_M_Str.SV = Min
TS 2.35VehDyn_PinTrqSV_M_Str.SV = Pos
TS 2.36VehDyn_PinTrqSV_M_Str.SV = Neg
TS 2.37VehDyn_PinTrqSV_M_Str.K = Min
TS 2.38VehDyn_PinTrqSV_M_Str.K = Max
TS 2.39VehDyn_PinTrqSV_M_Str.K = Mid
TS 2.40VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 = Min
TS 2.41VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 = Max
TS 2.42VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32 = Pos
TS 2.43VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 = Min
TS 2.44VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 = Max
TS 2.45VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32 = Pos
TS 2.46VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 = Min
TS 2.47VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 = Max
TS 2.48VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32 = Pos
TS 2.49VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32= Min
TS 2.50VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 = Max
TS 2.51VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32 = Pos
TS 2.52VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16= Min
TS 2.53VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16 = Max
TS 2.54VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16= Pos
TS 2.55VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16 = Min
TS 2.56VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16= Max
TS 2.57VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16= Pos
TS 2.58VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Min
TS 2.59VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Max
TS 2.60VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Max
TS 2.61VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Pos
TS 2.62VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Neg
TS 2.63VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Min
TS 2.64VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Max
TS 2.65VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Mid
TS 2.66VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV= Neg
TS 2.67VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV= Pos
TS 2.68VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV= Zero
TS 2.69VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Pos
TS 2.70VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32= Min
TS 2.71VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Min
TS 2.72VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K= Max
TS 2.73VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Mid
TS 2.74VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 = Min
TS 2.75VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 = Max
TS 2.76VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32 = Pos
TS 2.77VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 = Min
TS 2.78VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 = Max
TS 2.79VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32 = Mid
TS 2.80VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32= Mijn
TS 2.81VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32= Max
TS 2.82VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32= Pos
TS 2.83VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32= Min
TS 2.84VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 = Max
TS 2.85VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32 = Pos
TS 2.86VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Min
TS 2.87VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Max
TS 2.88VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32 = Pos
TS 2.89VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32= Min
TS 2.90VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32= Max
TS 2.91VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32= Pos
TS 2.92VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Min
TS 2.93VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Max
TS 2.94VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Pos

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TS 2.95VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16= Min
TS 2.96VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16= Max
TS 2.97VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16= Pos
TS 2.98VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Min
TS 2.99VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Max
TS 2.100VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16 = Max
TS 2.101VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Pos
TS 2.102VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Neg
TS 2.103VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Min
TS 2.104VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Max
TS 2.105VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K= Mid
TS 2.106VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Min
TS 2.107VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Max
TS 2.108VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Zero
TS 2.109VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Pos
TS 2.110VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV= Neg
TS 2.111VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Min
TS 2.112VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K= Max
TS 2.113VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Mid
TS 2.114VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 = Min
TS 2.115VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 = Max
TS 2.116VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32 = Pos
TS 2.117VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 = Min
TS 2.118VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 = Max
TS 2.119VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32 = Pos
TS 2.120VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 = Min
TS 2.121VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 = Max
TS 2.122VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32 = Pos
TS 2.123VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 = Min
TS 2.124VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 = Max
TS 2.125VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32 = Pos
TS 2.126VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32= Min
TS 2.127VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32= Max
TS 2.128VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32 = Pos
TS 2.129VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 = Min
TS 2.130VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 = Max
TS 2.131VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32 = Pos
TS 2.132VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 = Min
TS 2.133VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16= Max
TS 2.134VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16 = Pos
TS 2.135VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 = Min
TS 2.136VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 = Max
TS 2.137VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16 = Mid
TS 2.138VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Min
TS 2.139VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Max
TS 2.140VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Zero
TS 2.141VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV = Pos
TS 2.142VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV= Neg
TS 2.143VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Min
TS 2.144VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Max
TS 2.145VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K = Mid
TS 2.146VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV =  Min
TS 2.147VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Max
TS 2.148VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV= Zero
TS 2.149VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Pos
TS 2.150VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV = Neg
TS 2.151VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Min
TS 2.152VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Max
TS 2.153VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K = Mid
TS 2.154VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32= Min
TS 2.155VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 = Max
TS 2.156VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32 = Pos
TS 2.157VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32= Min
TS 2.158VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 = Max
TS 2.159VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32 = Pos
TS 2.160k_HiSpdVDAuthority_Uls_f32 = Min
TS 2.161k_HiSpdVDAuthority_Uls_f32 = Max
TS 2.162k_HiSpdVDAuthority_Uls_f32= Pos
TS 2.163k_LoSpdVDAuthority_Uls_f32= Min
TS 2.164k_LoSpdVDAuthority_Uls_f32= Max
TS 2.165k_LoSpdVDAuthority_Uls_f32= Pos
TS 2.166VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc= Min
TS 2.167VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc = Max
TS 2.168VehDyn_LoSpdLearnt_Cnt_M_lgc= Min
TS 2.169VehDyn_LoSpdLearnt_Cnt_M_lgc = Max
TS 2.170VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc = Min
TS 2.171VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc= Max
TS 2.172VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc = Min
TS 2.173VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc = Max
TS 2.174VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc= Min
TS 2.175VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc = Max
TS 2.176VehDyn_HiSpdLearnt_Cnt_M_lgc = Min
TS 2.177VehDyn_HiSpdLearnt_Cnt_M_lgc = Max
TS 2.178VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc=Min
TS 2.179VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc=Max
TS 2.180VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc=Min
TS 2.181VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc=Max
TS 2.182VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc=Min
TS 2.183VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc=Max
TS 2.184VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc=Min
TS 2.185VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc=Max
TS 2.186VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc=Min
TS 2.187VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc=Max
TS 2.188VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc=Min
TS 2.189VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc=Max
TS 2.190VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc=Min
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TS 2.191VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc=Max
TS 2.192VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc=Min
TS 2.193VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc=Max
TS 2.194VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc=Min
TS 2.195VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc=Max
TS 2.196CwEOT_HwDeg_f32 = Min
TS 2.197CwEOT_HwDeg_f32 = Max
TS 2.198 CwEOT_HwDeg_f32 = Pos
TS 2.199 CcwEOT_HwDeg_f32 = Min
TS 2.200CcwEOT_HwDeg_f32 = Max
TS 2.201CcwEOT_HwDeg_f32 = Neg
TS 2.202VehDyn_Initialize_Cnt_M_lgc = Min
TS 2.203VehDyn_Initialize_Cnt_M_lgc = Max
TS 2.204VehDyn_MaxOffset_HwDeg_M_f32 = Min
TS 2.205VehDyn_MaxOffset_HwDeg_M_f32 = Max
TS 2.206VehDyn_MaxOffset_HwDeg_M_f32 = Pos
TS 2.207VehDyn_MinOffset_HwDeg_M_f32 = Min
TS 2.208VehDyn_MinOffset_HwDeg_M_f32 = Max
TS 2.209VehDyn_MinOffset_HwDeg_M_f32 = Neg
TS 2.210k_TravelXCDeadband_Uls_f32 = Min
TS 2.211k_TravelXCDeadband_Uls_f32 = Max
TS 2.212k_TravelXCDeadband_Uls_f32 = Pos
TS 2.213k_TravelXCDeadband_Uls_f32 = Default
TS 2.214k_TravelXCHwAuthority_Uls_f32 = Min
TS 2.215k_TravelXCHwAuthority_Uls_f32 = Max
TS 2.216k_TravelXCHwAuthority_Uls_f32 = Pos/ Default
TS 2.217VehDyn_SLPHwPos_HwDeg_M_f32 = Min
TS 2.218VehDyn_SLPHwPos_HwDeg_M_f32 = Max
TS 2.219VehDyn_SLPHwPos_HwDeg_M_f32 = Zero
TS 2.220VehDyn_SLPHwPos_HwDeg_M_f32 = Pos
TS 2.221VehDyn_SLPHwPos_HwDeg_M_f32 = Neg
TS 2.222VehDyn_SLPHwAuth_Uls_M_f32 = Min
TS 2.223VehDyn_SLPHwAuth_Uls_M_f32 = Max
TS 2.224VehDyn_SLPHwAuth_Uls_M_f32 = Pos
TS 2.225VehDyn_ForceCenterOffset_HwDeg_M_f32=Min
TS 2.226VehDyn_ForceCenterOffset_HwDeg_M_f32=Neg
TS 2.227VehDyn_ForceCenterOffset_HwDeg_M_f32=zero
TS 2.228VehDyn_ForceCenterOffset_HwDeg_M_f32=Pos
TS 2.229VehDyn_ForceCenterOffset_HwDeg_M_f32=Max
TS 2.230VehDyn_ForceCenterEnabled_Cnt_M_lgc=Min
TS 2.231VehDyn_ForceCenterEnabled_Cnt_M_lgc=Max
TS 2.232SrlHwAgVld_Cnt_lgc=Min
TS 2.233SrlHwAgVld_Cnt_lgc=Max
TS 2.234SrlHwAg_HwDeg_f32=Min
TS 2.235SrlHwAg_HwDeg_f32=Neg
TS 2.236SrlHwAg_HwDeg_f32=Zero
TS 2.237SrlHwAg_HwDeg_f32=Pos
TS 2.238SrlHwAg_HwDeg_f32=Max
TS 2.239k_HwTqMgnThd_HwNm_f32=min
TS 2.240k_HwTqMgnThd_HwNm_f32=max
TS 2.241k_HwTqMgnThd_HwNm_f32=mid
TS 2.242k_HwTqMgnThd_HwNm_f32=default
TS 2.243k_SrlHwAgVldTiThd_mS_u32=min
TS 2.244k_SrlHwAgVldTiThd_mS_u32=max
TS 2.245k_SrlHwAgVldTiThd_mS_u32=mid / Default
TS 2.246VehDyn_SrlHwAgVldTimer_mS_M_u32 = Min
TS 2.247VehDyn_SrlHwAgVldTimer_mS_M_u32 = Max
TS 2.248VehDyn_SrlHwAgVldTimer_mS_M_u32 = Mid
TS 2.249DtrmnElapsedTime_mS_u32 = Min
TS 2.250DtrmnElapsedTime_mS_u32 = Max
TS 2.251DtrmnElapsedTime_mS_u32 = Pos
TS 2.252GetSystemTime_mS_u32 = Min
TS 2.253GetSystemTime_mS_u32 = Max
TS 2.254GetSystemTime_mS_u32 = Pos
TS 2.255Rte_Call_SystemTime_DtrmnElapsedTime_mS_u32=min
TS 2.256Rte_Call_SystemTime_DtrmnElapsedTime_mS_u32=max
TS 2.257Rte_Call_SystemTime_DtrmnElapsedTime_mS_u32=mid
TS 2.258Rte_Call_SystemTime_GetSystemTime_mS_u32=min
TS 2.259Rte_Call_SystemTime_GetSystemTime_mS_u32=max
TS 2.260Rte_Call_SystemTime_GetSystemTime_mS_u32=mid

Test Step 2.1 (Repeat Count = 1)   ✔

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	0
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	0
k_TravelXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	0
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999

Name	Input Value
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

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

Test Step Call Trace				✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.2 (Repeat Count = 1)		✔

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786
VehDyn_SLPHwAuth_Uls_M_f32	1
VehDyn_SLPHwPos_HwDeg_M_f32	1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	10
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	100000
k_SysKinRatio_MtrDegpHwDeg_f32	100
k_TravelXCDeadband_Uls_f32	100
k_TravelXCHwAuthority_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4294967295
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.3 (Repeat Count = 1) ✔

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	125.099998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.79999995
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	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000449999992
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	200.100006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.49999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	369.15799
VehDyn_MinOffset_HwDeg_M_f32	-1439.15405
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00025099999
VehDyn_SLPHwAuth_Uls_M_f32	0.986999989
VehDyn_SLPHwPos_HwDeg_M_f32	-1589.15002
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	0.899999976
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	0.330000013
k_SrlHwAgVldTiThd_mS_u32	12
k_SysKinRatio_MtrDegpHwDeg_f32	10.0200005
k_TravelXCDeadband_Uls_f32	1.25
k_TravelXCHwAuthority_Uls_f32	0.0153999999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1438.15002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	375.23999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.10000038
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.210022
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-172.389999
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1589.15002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	375.23999	375.23999	✔
VehDyn_MinOffset_HwDeg_M_f32	-1438.15002	-1438.15002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79555798	7.7955575 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.899999976	0.899999976 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.4 (Repeat Count = 1) ✔

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000652000017
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000652000017
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadS_f32	124
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	25
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000452000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000782000017
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	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_MtrRadS_f32	457.399994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.399994
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.54000006e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000652000017
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1500.22998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-374.149994
VehDyn_MinOffset_HwDeg_M_f32	-1432.46997
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000251999998
VehDyn_SLPHwAuth_Uls_M_f32	0.972000003
VehDyn_SLPHwPos_HwDeg_M_f32	-1578.89001
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680
k_HiSpdVDAuthority_Uls_f32	0.349999994
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	0.889999986
k_SrlHwAgVldTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	25.1000004
k_TravelXCDeadband_Uls_f32	2.69000006
k_TravelXCHwAuthority_Uls_f32	0.0166250002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2942063360
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1431.89001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	386.147003
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	800.869995
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-599.400024
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1578.89001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-374.149994	-374.149994	✔
VehDyn_MinOffset_HwDeg_M_f32	-832.48999	-832.48999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20166588	3.20166588 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.889999986	0.889999986 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

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

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.699997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.7000008
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.6999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00067400001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00067400001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	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	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000492900028
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120.300003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.97999995e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00067400001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-401.220001
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	429.062012
VehDyn_MinOffset_HwDeg_M_f32	-1358.94604
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000262999994
VehDyn_SLPHwAuth_Uls_M_f32	0.806999981
VehDyn_SLPHwPos_HwDeg_M_f32	-1466.03003
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	20045
k_SysKinRatio_MtrDegpHwDeg_f32	75.5
k_TravelXCDeadband_Uls_f32	18.5300007
k_TravelXCHwAuthority_Uls_f32	0.0300999992
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_GetSystemTime_mS_u32_CurrentTime	3304439296
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1363.03003		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	506.123993		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.80000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	49.4199982		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1466.03003		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-3.20000005		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	256.640015		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	506.123993	506.123993	✔
VehDyn_MinOffset_HwDeg_M_f32	-1363.03003	-1363.03003	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89533329	8.89533329 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	450.640015	450.640015 ± 0.1	✔

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

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

Name	Input Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	73.4000015
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.4000015
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	9.39999962
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000655999989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000655999989
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.7999992
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.80000019
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	56.1399994
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000126600004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00078599999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	73.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	64.3000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	9.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.61999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000655999989
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1300.41003
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-384.134003
VehDyn_MinOffset_HwDeg_M_f32	-1419.10205
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000254000013
VehDyn_SLPHwAuth_Uls_M_f32	0.941999972
VehDyn_SLPHwPos_HwDeg_M_f32	-1558.37
VehDyn_SrlHwAgVldTimer_mS_M_u32	123
k_HiSpdVDAuthority_Uls_f32	0.870000005
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_Uls_f32	0.699999988
k_SrlHwAgVldTiThd_mS_u32	112
k_SysKinRatio_MtrDegpHwDeg_f32	56.5
k_TravelXCDeadband_Uls_f32	5.57000017
k_TravelXCHwAuthority_Uls_f32	0.0190750007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832
target_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	123
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1419.37
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	407.960999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-425.25
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	995.5
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1558.37
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-5.4000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	10.2139997

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295	4290967295	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	407.960999	407.960999	✓
VehDyn_MinOffset_HwDeg_M_f32	-1419.37	-1419.37	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59550524	7.59550524 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	123	123	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.699999988	0.699999988 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✓

Test Step Call Trace   ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.7 (Repeat Count = 1)   ✓

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000658000004
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000658000004
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	631.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54.2299995
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000167299993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000788000005
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.6999998
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.7000008
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.69999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.7000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.66000006e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000658000004
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	389.126007
VehDyn_MinOffset_HwDeg_M_f32	-1412.41797
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000254999992
VehDyn_SLPHwAuth_Uls_M_f32	0.926999986
VehDyn_SLPHwPos_HwDeg_M_f32	-1548.10999
VehDyn_SrlHwAgVldTimer_mS_M_u32	54689
k_HiSpdVDAuthority_Uls_f32	0.75999999
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0.560000002
k_SrlHwAgVldTiThd_mS_u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32	54.2999992
k_TravelXCDeadband_Uls_f32	7.01000023
k_TravelXCHwAuthority_Uls_f32	0.0203000009
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1736795392

Name	Input Value
target_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	54689
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1413.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	418.868011
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	752.75
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-880.02002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1548.10999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	20.1399994

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	418.868011	418.868011	✔
VehDyn_MinOffset_HwDeg_M_f32	-1413.10999	-1413.10999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50220323	1.50220323 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	54689	54689	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999	0.75999999 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

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

Test Step 2.8 (Repeat Count = 1)	✔
Name	**Input Value**
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	0
k_SysKinRatio_MtrDegpHwDeg_f32	1

Name	Input Value
k_TravelXCDeadband_Uls_f32	0
k_TravelXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	0
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	0
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	360	360	✔
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999744	-18.7999744 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	0	0	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

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

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.7999992
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.8000031
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.7999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000669999979
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	665
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00041149999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079999998
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.0999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.90000007e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978
VehDyn_HiSpdLearnt_Cnt_M_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
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000261000008
VehDyn_SLPHwAuth_Uls_M_f32	0.837000012
VehDyn_SLPHwPos_HwDeg_M_f32	-1486.55005
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	0.272780001
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	9000

Name	Input Value
k_SysKinRatio_MtrDegpHwDeg_f32	63.0999985
k_TravelXCDeadband_Uls_f32	15.6499996
k_TravelXCHwAuthority_Uls_f32	0.0276500005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208
target_GetSystemTime_mS_u32_CurrentTime	437658624
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1375.55005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	484.309998
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.199997
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	731.700012
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1486.55005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	0
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.7900009

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	437658624	437658624	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-247.390015	-247.389999	✔
VehDyn_MinOffset_HwDeg_M_f32	-1372.31396	-1372.31396	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1974678	15.1974688 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1332.73999	1332.73999 ± 0.1	✔

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

Test Step 2.10 (Repeat Count = 1)	✔
Name	**Input Value**
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	75.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000663999992
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000663999992
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000289399992
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000793999992
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	75.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.8000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.8000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.78000007e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000663999992
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	404.10199
VehDyn_MinOffset_HwDeg_M_f32	-1392.36597
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000257999985
VehDyn_SLPHwAuth_Uls_M_f32	0.882000029
VehDyn_SLPHwPos_HwDeg_M_f32	-1517.32996
VehDyn_SrlHwAgVldTimer_mS_M_u32	12
k_HiSpdVDAuthority_Uls_f32	0.637000024
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	0

Name	Input Value
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	32.5
k_TravelXCDeadband_Uls_f32	11.3299999
k_TravelXCHwAuthority_Uls_f32	0.0239749998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	463842816
target_GetSystemTime_mS_u32_CurrentTime	824746752
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	12
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1394.32996
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	451.588989
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.30000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.455994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-293.049988
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1517.32996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	35.8899994

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	451.588989	451.588989	✔
VehDyn_MinOffset_HwDeg_M_f32	-1394.32996	-1394.32996	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.79356	17.79356 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	12	12	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	607.720032	607.719971 ± 0.1	✔

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

Test Step 2.11 (Repeat Count = 1)	✔
Name	**Input Value**
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	98.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000666000007
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000666000007
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.5
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	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000330100011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000796000008
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	98.8000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.79999995
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.82000001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000666000007
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0

Name	Input Value
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	409.093994
VehDyn_MinOffset_HwDeg_M_f32	-1385.68201
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000258999993
VehDyn_SLPHwAuth_Uls_M_f32	0.866999984
VehDyn_SLPHwPos_HwDeg_M_f32	-1507.06995
VehDyn_SrlHwAgVldTimer_mS_M_u32	89763
k_HiSpdVDAuthority_Uls_f32	0.278719991
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	52.2999992
k_TravelXCDeadband_Uls_f32	12.7700005
k_TravelXCHwAuthority_Uls_f32	0.0252
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	89763
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1388.06995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	462.496002
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.0999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.45801
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-627.179993
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1507.06995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.4199982

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	462.496002	462.496002	✔
VehDyn_MinOffset_HwDeg_M_f32	-1388.06995	-1388.06995	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7.00006962	-7.00006962 ± 0.000009	✔

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

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

Test Step 2.12 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	66.9000015	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.9000015	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.9000001	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.9000015	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000668000022	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000668000022	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98.0999985	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.0999985	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.5	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41.0999985	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.0003708	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000798000023	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.0999985	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.1999969	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2000008	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.85999995e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	
VehDyn_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_ForceCenterEnabled_Cnt_M_lgc	1	
VehDyn_ForceCenterOffset_HwDeg_M_f32	-700.950012	

Name	Input Value
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	414.085999
VehDyn_MinOffset_HwDeg_M_f32	-1378.99805
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000260000001
VehDyn_SLPHwAuth_Uls_M_f32	0.851999998
VehDyn_SLPHwPos_HwDeg_M_f32	-1496.81006
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192
k_HiSpdVDAuthority_Uls_f32	0.277799994
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	703
k_SysKinRatio_MtrDegpHwDeg_f32	41.5
k_TravelXCDeadband_Uls_f32	14.21
k_TravelXCHwAuthority_Uls_f32	0.0264250003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408
target_GetSystemTime_mS_u32_CurrentTime	4164171008
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_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	-1381.81006
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	473.403015
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.85000038
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-177.479996
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1496.81006
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	38.8800011

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_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	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008	4164171008	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4164171008	4164171008	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	414.085999	414.085999	✔

Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	-1204.33008	-1204.32996	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30071831	6.30071831 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	523.470032	523.469971 ± 0.1	✔

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

Test Step 2.13 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.7999992	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.8000031	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.7999992	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000669999979	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	665	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63.4000015	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00041149999	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079999998	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.0999985	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.90000007e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	419.078003
VehDyn_MinOffset_HwDeg_M_f32	-1372.31396
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000261000008
VehDyn_SLPHwAuth_Uls_M_f32	0.837000012
VehDyn_SLPHwPos_HwDeg_M_f32	-1486.55005
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	0.272780001
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	63.0999985
k_TravelXCDeadband_Uls_f32	15.6499996
k_TravelXCHwAuthority_Uls_f32	0.0276500005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208
target_GetSystemTime_mS_u32_CurrentTime	437658624
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1375.55005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	484.309998
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.10000038
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.199997
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	731.700012
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1486.55005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	0
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.7900009

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	437658624	437658624	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

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

Test Step 2.14 (Repeat Count = 1)		✓
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.0999999	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000671999995	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000671999995	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.0999985	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116.099998	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.4000015	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000452200009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000801999995	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.0999999	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.199997	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.2000008	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.94000001e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000671999995	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	424.070007
VehDyn_MinOffset_HwDeg_M_f32	-1365.63
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000261999987
VehDyn_SLPHwAuth_Uls_M_f32	0.822000027
VehDyn_SLPHwPos_HwDeg_M_f32	-1476.29004
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32	0.899999976
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	1000
k_SysKinRatio_MtrDegpHwDeg_f32	88.3000031
k_TravelXCDeadband_Uls_f32	17.0900002
k_TravelXCHwAuthority_Uls_f32	0.0288750008
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1369.29004
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	495.21701
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.299988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-968.400024
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1476.29004
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.4000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.140015

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.15 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.699997
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.699997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.7000008
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.6999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00067400001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00067400001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	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	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000492900028
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120.300003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.97999995e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00067400001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-401.220001
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	429.062012
VehDyn_MinOffset_HwDeg_M_f32	-1358.94604
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000262999994
VehDyn_SLPHwAuth_Uls_M_f32	0.806999981
VehDyn_SLPHwPos_HwDeg_M_f32	-1466.03003
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	20045
k_SysKinRatio_MtrDegpHwDeg_f32	75.5
k_TravelXCDeadband_Uls_f32	18.5300007
k_TravelXCHwAuthority_Uls_f32	0.0300999992
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_GetSystemTime_mS_u32_CurrentTime	3304439296
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1363.03003
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	506.123993
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	49.4199982
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1466.03003
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-3.20000005
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.8699989

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620	109643620	✔

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

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

Test Step 2.16 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	56.0999985	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.0999985	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000730000029	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000730000029	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.2000008	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000530000019	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.7000008	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	64.0999985	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.69999981	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.0999985	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868	

Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.09999993e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000730000029		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	568.838013		
VehDyn_MinOffset_HwDeg_M_f32	-1171.79395		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000361999992		
VehDyn_SLPHwAuth_Uls_M_f32	0.386999995		
VehDyn_SLPHwPos_HwDeg_M_f32	-1178.75		
VehDyn_SrlHwAgVldTimer_mS_M_u32	123		
k_HiSpdVDAuthority_Uls_f32	0.999000013		
k_HwTqMgnThd_HwNm_f32	1		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	70		
k_SysKinRatio_MtrDegpHwDeg_f32	88.0999985		
k_TravelXCDeadband_Uls_f32	58.8499985		
k_TravelXCHwAuthority_Uls_f32	0.0644000024		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2478427648		
target_GetSystemTime_mS_u32_CurrentTime	3941357312		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	309385728		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	123		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1187.75		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	811.52002		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.03000021		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.9000015		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1415.88		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1178.75		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.820007		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

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

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

Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	6		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.13999987e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000731999986		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-700.950012		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	573.830017		
VehDyn_MinOffset_HwDeg_M_f32	-1165.10999		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000362999999		
VehDyn_SLPHwAuth_Uls_M_f32	0.372000009		
VehDyn_SLPHwPos_HwDeg_M_f32	-1168.48999		
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	1.5		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	456		
k_SysKinRatio_MtrDegpHwDeg_f32	75.0999985		
k_TravelXCDeadband_Uls_f32	60.2900009		
k_TravelXCHwAuthority_Uls_f32	0.065624997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4180236544		
target_GetSystemTime_mS_u32_CurrentTime	3304439296		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	5477		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1181.48999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	822.427002		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.03999996		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.01001		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1081.09998		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1168.48999		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.080002		
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔

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

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

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

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	63.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	124.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	8366
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	51002
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.02000005e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000725999998
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	558.854004
VehDyn_MinOffset_HwDeg_M_f32	-1185.16199
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000360000005
VehDyn_SLPHwAuth_Uls_M_f32	0.416999996
VehDyn_SLPHwPos_HwDeg_M_f32	-1199.27002
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.44999981
k_LoSpdVDAuthority_Uls_f32	0.899999976
k_SrlHwAgVldTiThd_mS_u32	4856
k_SysKinRatio_MtrDegpHwDeg_f32	41.2999992
k_TravelXCDeadband_Uls_f32	55.9700012
k_TravelXCHwAuthority_Uls_f32	0.0619499981
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4129141760
target_GetSystemTime_mS_u32_CurrentTime	4164171008
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_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	-1200.27002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	789.705994
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.01000023
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1123.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1199.27002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.089996

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	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008	4164171008	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔

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

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.19 (Repeat Count = 1) ✓

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

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786
VehDyn_SLPHwAuth_Uls_M_f32	1
VehDyn_SLPHwPos_HwDeg_M_f32	1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	10
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	100000
k_SysKinRatio_MtrDegpHwDeg_f32	100
k_TravelXCDeadband_Uls_f32	100
k_TravelXCHwAuthority_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4294967295
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔

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

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

Test Step 2.20 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.299988	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.300003	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.3000002	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000684000028	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000684000028	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	200.100006	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2999992	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	49475	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	38708	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000696400006	

Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000814000028		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	457.700012		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.600006		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.7000008		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.6000004		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.17999984e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000684000028		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	454.022003		
VehDyn_MinOffset_HwDeg_M_f32	-1325.526		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000268000003		
VehDyn_SLPHwAuth_Uls_M_f32	0.731999993		
VehDyn_SLPHwPos_HwDeg_M_f32	-1414.72998		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	0.119999997		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	456		
k_SysKinRatio_MtrDegpHwDeg_f32	53.0999985		
k_TravelXCDeadband_Uls_f32	25.7299995		
k_TravelXCHwAuthority_Uls_f32	0.0362249985		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2728878080		
target_GetSystemTime_mS_u32_CurrentTime	2430672128		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1117112832		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1331.72998		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	560.658997		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.25		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	0		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1576.71997		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1414.72998		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	258.880005		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✔

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.21 (Repeat Count = 1) ✔

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

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000546000025
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000875999976
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	350.899994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.800003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.89999962
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.7999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.41999982e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000745999976
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	608.773987
VehDyn_MinOffset_HwDeg_M_f32	-1118.32202
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000369999994
VehDyn_SLPHwAuth_Uls_M_f32	0.26699999
VehDyn_SLPHwPos_HwDeg_M_f32	-1096.67004
VehDyn_SrlHwAgVldTimer_mS_M_u32	800969984
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	12
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985
k_TravelXCDeadband_Uls_f32	70.3700027
k_TravelXCHwAuthority_Uls_f32	0.0741999969
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824
target_GetSystemTime_mS_u32_CurrentTime	3351443200
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4178051584
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	800969984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	1100.43994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1146.91003
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1096.67004
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	38.6699982

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.22 (Repeat Count = 1) ✔

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

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000777799985
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000818
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	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	4290967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.26000008e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000688
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	0.800000012
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	28.6100006
k_TravelXCHwAuthority_Uls_f32	0.038674999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728
target_GetSystemTime_mS_u32_CurrentTime	2269150976
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1319.20996
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	582.473022
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.11999989
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.450012
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	355.5
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1394.20996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002

Name	Input Value		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	156.550003		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	582.473022	582.473022	✔
VehDyn_MinOffset_HwDeg_M_f32	-1319.20996	-1319.20996	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60149491	-1.60149491 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088	3437401088	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	57.3500061	57.3499985 ± 0.1	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.23 (Repeat Count = 1)   ✔

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	539.299988
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000818500004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000820000016
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	580.119995
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.1199999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.30000003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000690000015
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	398.059998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	468.997986
VehDyn_MinOffset_HwDeg_M_f32	-1305.474
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000270999997
VehDyn_SLPHwAuth_Uls_M_f32	0.686999977
VehDyn_SLPHwPos_HwDeg_M_f32	-1383.94995
VehDyn_SrlHwAgVldTimer_mS_M_u32	3494315776
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	0.699999988
k_SrlHwAgVldTiThd_mS_u32	16445
k_SysKinRatio_MtrDegpHwDeg_f32	45.0999985
k_TravelXCDeadband_Uls_f32	30.0499992
k_TravelXCHwAuthority_Uls_f32	0.0399000011
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008
target_GetSystemTime_mS_u32_CurrentTime	3533260288
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2942063360
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1312.94995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	593.380005
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.02999973
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.450012

Name	Input Value
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1383.94995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	135.550003

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3533260288	3533260288	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	593.380005	593.380005	✔
VehDyn_MinOffset_HwDeg_M_f32	-1312.94995	-1312.94995	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7981377	-14.7981377 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3494315776	3494315776	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.24 (Repeat Count = 1) ✔

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

Name	Input Value
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	580
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000859200023
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000821999973
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	621.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	206.210007
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.1199989
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.33999997e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000691999972
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	497.970001
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	473.98999
VehDyn_MinOffset_HwDeg_M_f32	-1298.79004
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000272000005
VehDyn_SLPHwAuth_Uls_M_f32	0.671999991
VehDyn_SLPHwPos_HwDeg_M_f32	-1373.68994
VehDyn_SrlHwAgVldTimer_mS_M_u32	463842816
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	0.400000006
k_SrlHwAgVldTiThd_mS_u32	32
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	463842816
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1306.68994
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	604.286987

Name	Input Value		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.93999958		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	800.849976		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1373.68994		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.140015		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	812314880	812314880	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	812314880	812314880	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-995.713013	-995.713013	✔
VehDyn_MinOffset_HwDeg_M_f32	-1298.79004	-1298.79004	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7926998	17.7927017 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	463842816	463842816	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1102.03003	1102.03003 ± 0.1	✔

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

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	0
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	0
k_TravelXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	0
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	0
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	360	360	✔
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999744	-18.7999744 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	0	0	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

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

Test Step 2.26 (Repeat Count = 1)	✔

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000696000003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000696000003
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	662.099976
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.30000019
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000940600003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000826000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.199997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.41999985e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000696000003
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	697.789978
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	483.973999
VehDyn_MinOffset_HwDeg_M_f32	-1285.422
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000273999991
VehDyn_SLPHwAuth_Uls_M_f32	0.64200002
VehDyn_SLPHwPos_HwDeg_M_f32	-1353.17004
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_Uls_f32	0.870000005
k_SrlHwAgVldTiThd_mS_u32	91986
k_SysKinRatio_MtrDegpHwDeg_f32	32.5
k_TravelXCDeadband_Uls_f32	34.3699989
k_TravelXCHwAuthority_Uls_f32	0.043575
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_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	-1294.17004
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	626.101013
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.51000023
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-425.213989
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	448.5
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1353.17004
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.769989

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	626.101013	626.101013	✔
VehDyn_MinOffset_HwDeg_M_f32	-1294.17004	-1294.17004	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.3003788	6.3003788 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408	1662097408	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-249.289978	-249.289993 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.27 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	138.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.100006

Name	Input Value
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
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000698000018
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971
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	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000981300022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	138.100006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2099991
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.46000015e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
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_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	797.700012
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	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
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0.200000003
k_SrlHwAgVldTiThd_mS_u32	12
k_SysKinRatio_MtrDegpHwDeg_f32	52.0999985
k_TravelXCDeadband_Uls_f32	35.8100014
k_TravelXCHwAuthority_Uls_f32	0.0447999984
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344
target_GetSystemTime_mS_u32_CurrentTime	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1287.91003
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	637.007996
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.55000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	752.820007
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-157.490005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1342.91003
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	452.869995

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	463842816	463842816	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	637.007996	637.007996	✔
VehDyn_MinOffset_HwDeg_M_f32	-1287.91003	-1287.91003	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1978722	15.1978722 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-955.190002	-955.190002 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.28 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000699999975
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000699999975
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	72
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00102199998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn_AutoCntrHiSpd_M_str.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	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.50000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000699999975
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	897.609985
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	493.958008
VehDyn_MinOffset_HwDeg_M_f32	-1272.05396
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000276000006
VehDyn_SLPHwAuth_Uls_M_f32	0.611999989
VehDyn_SLPHwPos_HwDeg_M_f32	-1332.65002
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_Uls_f32	0.649999976
k_SrlHwAgVldTiThd_mS_u32	45
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1281.65002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	647.914978
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.59000015
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-158.410004
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-174.199997
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1332.65002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	423.23999

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	493.958008	493.958008	✓
VehDyn_MinOffset_HwDeg_M_f32	-1107.45007	-1107.44995	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9968786	13.9968786 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1071.80994	-1071.81006 ± 0.1	✓

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

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

Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
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	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00070199999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988
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	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00106269994
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000831999991
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	44.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	84.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	72.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.54000003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988
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	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	498.950012
VehDyn_MinOffset_HwDeg_M_f32	-1265.37
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000277000014
VehDyn_SLPHwAuth_Uls_M_f32	0.597000003
VehDyn_SLPHwPos_HwDeg_M_f32	-1322.39001
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.5
k_LoSpdVDAuthority_Uls_f32	0.779999971
k_SrlHwAgVldTiThd_mS_u32	65
k_SysKinRatio_MtrDegpHwDeg_f32	100
k_TravelXCDeadband_Uls_f32	38.6899986
k_TravelXCHwAuthority_Uls_f32	0.0472499989
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832
target_GetSystemTime_mS_u32_CurrentTime	1662097408

Name	Input Value
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1275.39001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	658.822021
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.63000011
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-475.299988
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1322.39001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	62.8899994

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_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	498.950012	498.950012	✔
VehDyn_MinOffset_HwDeg_M_f32	-800.090027	-800.090027	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89964294	8.89964294 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.597000003	0.597000003 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

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

Test Step 2.30 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	96.4000015
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.4000015
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	92.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000704000005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000704000005
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	44
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10.3999996
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00110340002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000834000006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	96.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	64.4000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	92.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.57999998e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000704000005
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1097.43005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	503.941986
VehDyn_MinOffset_HwDeg_M_f32	-1258.68604
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000277999992
VehDyn_SLPHwAuth_Uls_M_f32	0.582000017
VehDyn_SLPHwPos_HwDeg_M_f32	-1312.13
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	0.879999995
k_SrlHwAgVldTiThd_mS_u32	112
k_SysKinRatio_MtrDegpHwDeg_f32	50.2999992

Name	Input Value
k_TravelXCDeadband_Uls_f32	40.1300011
k_TravelXCHwAuthority_Uls_f32	0.048475001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	71426560
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1269.13
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	669.729004
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.67000008
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.360001
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-157.490005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1312.13
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.330002

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	669.729004	669.729004	✔
VehDyn_MinOffset_HwDeg_M_f32	-1269.13	-1269.13	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8983126	13.8983135 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.879999995	0.879999995 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.31 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	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
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
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_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	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
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000547999982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992
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	400.799988
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	2160073393
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.46000013e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000747999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1

Name	Input Value
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	613.765991
VehDyn_MinOffset_HwDeg_M_f32	-1111.63794
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000371000002
VehDyn_SLPHwAuth_Uls_M_f32	0.252000004
VehDyn_SLPHwPos_HwDeg_M_f32	-1086.41003
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	22
k_TravelXCDeadband_Uls_f32	71.8099976
k_TravelXCHwAuthority_Uls_f32	0.075424999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3524313344
target_GetSystemTime_mS_u32_CurrentTime	1358028288
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4077829376
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1131.41003
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	909.682983
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.48999977
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.64001
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1459.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1086.41003
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.3699989

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1358028288	1358028288	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
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	613.765991	613.765991	✔
VehDyn_MinOffset_HwDeg_M_f32	327.98999	327.98999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19538641	3.19538641 ± 0.000009	✔

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

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

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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	100.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-354.700012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000706000021
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000706000021
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	96.3000031
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	20.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-354.700012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00114409998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000836000021
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	100.400002
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.5400009
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.1999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-354.700012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.61999992e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000706000021
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1197.33997

Name	Input Value
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	508.93399
VehDyn_MinOffset_HwDeg_M_f32	-1252.00195
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000279
VehDyn_SLPHwAuth_Uls_M_f32	0.566999972
VehDyn_SLPHwPos_HwDeg_M_f32	-1301.87
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0.99000001
k_SrlHwAgVldTiThd_mS_u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004
k_TravelXCDeadband_Uls_f32	41.5699997
k_TravelXCHwAuthority_Uls_f32	0.0496999994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2430672128
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1262.87
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	680.635986
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.71000004
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.40002
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-354.700012
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1301.87
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.75

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-354.700012	-354.700012 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012	-354.700012 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-354.700012	-354.700012 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012	-354.700012 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-354.700012	-354.700012 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012	-354.700012 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	680.635986	680.635986	✓

TEST DETAILS REPORT

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VehDyn_Per1

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

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

Test Step 2.33 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86.3000031	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.2999992	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.3000031	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000731999986	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000731999986	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.099976	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	125.230003	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	11.3999996	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	62.5	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000531999976	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.3000031	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.5999985	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	6	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.13999987e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000731999986	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	

Name	Input Value
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-700.950012
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	573.830017
VehDyn_MinOffset_HwDeg_M_f32	-1165.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000362999999
VehDyn_SLPHwAuth_Uls_M_f32	0.372000009
VehDyn_SLPHwPos_HwDeg_M_f32	-1168.48999
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	75.0999985
k_TravelXCDeadband_Uls_f32	60.2900009
k_TravelXCHwAuthority_Uls_f32	0.065624997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4180236544
target_GetSystemTime_mS_u32_CurrentTime	3304439296
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	5477
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1181.48999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	822.427002
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.03999996
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.01001
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1081.09998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1168.48999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.080002

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_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	✔

TEST DETAILS REPORT

VehDyn_Per1

Name	Actual Value	Expected Value	Result
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	573.830017	573.830017	✔
VehDyn_MinOffset_HwDeg_M_f32	-100.390015	-100.389999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7957363	18.7957382 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477	5477	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-380.149963	-380.149994 ± 0.1	✔

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

Test Step 2.34 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	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	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	
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_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	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	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000547999982	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992	
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	400.799988	
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	2160073393	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.46000013e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000747999991	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	613.765991
VehDyn_MinOffset_HwDeg_M_f32	-1111.63794
VehDyn_PinTrqSV_M_str.SV_Uls_f32	0
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000371000002
VehDyn_SLPHwAuth_Uls_M_f32	0.252000004
VehDyn_SLPHwPos_HwDeg_M_f32	-1086.41003
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	45
k_TravelXCDeadband_Uls_f32	71.8099976
k_TravelXCHwAuthority_Uls_f32	0.075424999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3524313344
target_GetSystemTime_mS_u32_CurrentTime	1358028288
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4077829376
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1131.41003
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	909.682983
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.48999977
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.64001
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1459.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1086.41003
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.3699989

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1358028288	1358028288	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
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	✔

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

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

Test Step 2.35 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.7999992	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.8000031	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.7999992	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000669999979	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	665	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63.4000015	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00041149999	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079999998	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.0999985	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.90000007e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978
VehDyn_HiSpdLearnt_Cnt_M_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
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000261000008
VehDyn_SLPHwAuth_Uls_M_f32	0.837000012
VehDyn_SLPHwPos_HwDeg_M_f32	-1486.55005
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	0.272780001
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	63.0999985
k_TravelXCDeadband_Uls_f32	15.6499996
k_TravelXCHwAuthority_Uls_f32	0.0276500005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208
target_GetSystemTime_mS_u32_CurrentTime	437658624
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1375.55005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	484.309998
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.10000038
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.199997
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	731.700012
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1486.55005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	0
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.7900009

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	437658624	437658624	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-247.390015	-247.389999	✔
VehDyn_MinOffset_HwDeg_M_f32	-1372.31396	-1372.31396	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1936579	15.1936579 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1332.73999	1332.73999 ± 0.1	✔

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

Test Step 2.36 (Repeat Count = 1)	✔
Name	**Input Value**
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000750000007
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007
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
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30000
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43128
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000549999997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000880000007
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	600.900024
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.800003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.8999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	85.8000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.50000007e-005

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	198.240005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	618.757996
VehDyn_MinOffset_HwDeg_M_f32	-1104.95398
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00037200001
VehDyn_SLPHwAuth_Uls_M_f32	0.237000003
VehDyn_SLPHwPos_HwDeg_M_f32	-1076.15002
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360
k_HiSpdVDAuthority_Uls_f32	0.670000017
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	65
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031
k_TravelXCDeadband_Uls_f32	73.25
k_TravelXCHwAuthority_Uls_f32	0.0766500011
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104
target_GetSystemTime_mS_u32_CurrentTime	123
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2644937728
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1125.15002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	920.590027
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.56999969
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	459.209991
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1076.15002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.179993

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	123	123	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	123	123	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	461.380035	461.380005	✔
VehDyn_MinOffset_HwDeg_M_f32	-1104.95398	-1104.95398	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40158939	-5.40158939 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360	2942063360	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	260.969971	260.970001 ± 0.1	✔

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

Test Step 2.37 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	0
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	0
k_TravelXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	0
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔

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

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

Test Step 2.38 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.299988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000688
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000688
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	498
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000777799985
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000818
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	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

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.26000008e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000688
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_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	0.00125584786
VehDyn_SLPHwAuth_Uls_M_f32	0.702000022
VehDyn_SLPHwPos_HwDeg_M_f32	-1394.20996
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	0.800000012
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	28.6100006
k_TravelXCHwAuthority_Uls_f32	0.038674999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728
target_GetSystemTime_mS_u32_CurrentTime	2269150976
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1319.20996
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	582.473022
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.11999989
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.450012
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	355.5
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1394.20996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	156.550003

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	582.473022	582.473022	✔
VehDyn_MinOffset_HwDeg_M_f32	-1319.20996	-1319.20996	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60695314	-1.60695314 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088	3437401088	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	57.3500061	57.3499985 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	350.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000745999976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000745999976
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	69
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000546000025
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000875999976
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1

Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	350.899994		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.800003		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.89999962		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.7999992		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.41999982e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000745999976		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	608.773987		
VehDyn_MinOffset_HwDeg_M_f32	-1118.32202		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000369999994		
VehDyn_SLPHwAuth_Uls_M_f32	0.26699999		
VehDyn_SLPHwPos_HwDeg_M_f32	-1096.67004		
VehDyn_SrlHwAgVldTimer_mS_M_u32	800969984		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	1.10000002		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	12		
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985		
k_TravelXCDeadband_Uls_f32	70.3700027		
k_TravelXCHwAuthority_Uls_f32	0.0741999969		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824		
target_GetSystemTime_mS_u32_CurrentTime	3351443200		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4178051584		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	800969984		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1137.67004		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	898.776001		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.40999985		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.139999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1146.91003		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1096.67004		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	38.6699982		
Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3351443200	3351443200	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔

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

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

Test Step 2.40 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
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	54822322	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000750000007	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	199	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.1999969	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30000	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43128	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000549999997	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000880000007	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	600.900024
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.800003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.8999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	85.8000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.50000007e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	198.240005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	618.757996
VehDyn_MinOffset_HwDeg_M_f32	-1104.95398
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00037200001
VehDyn_SLPHwAuth_Uls_M_f32	0.237000003
VehDyn_SLPHwPos_HwDeg_M_f32	-1076.15002
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360
k_HiSpdVDAuthority_Uls_f32	0.670000017
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	65
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031
k_TravelXCDeadband_Uls_f32	73.25
k_TravelXCHwAuthority_Uls_f32	0.0766500011
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104
target_GetSystemTime_mS_u32_CurrentTime	123
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	2644937728
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1125.15002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	920.590027
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.56999969
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	459.209991
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1076.15002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.179993

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓

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

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

Test Step 2.41 (Repeat Count = 1)	✔
Name	**Input Value**
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	566.299988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	32.2999992
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000723999983
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000723999983
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	189
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	22.1000004
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000523999974
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000853999984
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.799988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	32.7999992
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	3.98000011e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000723999983
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1100.58997
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	553.862
VehDyn_MinOffset_HwDeg_M_f32	-1191.84595
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000358999998
VehDyn_SLPHwAuth_Uls_M_f32	0.432000011
VehDyn_SLPHwPos_HwDeg_M_f32	-1209.53003
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.119999997
k_LoSpdVDAuthority_Uls_f32	0.800000012
k_SrlHwAgVldTiThd_mS_u32	951
k_SysKinRatio_MtrDegpHwDeg_f32	52.0999985
k_TravelXCDeadband_Uls_f32	54.5299988
k_TravelXCHwAuthority_Uls_f32	0.0607249998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2303132928
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1206.53003
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	778.799011
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.09998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	829.530029
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1209.53003
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.024994

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	✔

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.42 (Repeat Count = 1) ✔

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

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Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000525999989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000855999999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	63.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	124.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	8366
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	51002
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.02000005e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000725999998
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	558.854004
VehDyn_MinOffset_HwDeg_M_f32	-1185.16199
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000360000005
VehDyn_SLPHwAuth_Uls_M_f32	0.416999996
VehDyn_SLPHwPos_HwDeg_M_f32	-1199.27002
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.44999981
k_LoSpdVDAuthority_Uls_f32	0.899999976
k_SrlHwAgVldTiThd_mS_u32	4856
k_SysKinRatio_MtrDegpHwDeg_f32	41.2999992
k_TravelXCDeadband_Uls_f32	55.9700012
k_TravelXCHwAuthority_Uls_f32	0.0619499981
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4129141760
target_GetSystemTime_mS_u32_CurrentTime	4164171008
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_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	-1200.27002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	789.705994
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.01000023
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.100006
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1123.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1199.27002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.089996

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.43 (Repeat Count = 1) ✔

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

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.10000038
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000528000004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	84.0999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	3658
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	5853
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.05999999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000728000014
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002
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_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000361000013
VehDyn_SLPHwAuth_Uls_M_f32	0.40200001
VehDyn_SLPHwPos_HwDeg_M_f32	-1189.01001
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	90
k_SysKinRatio_MtrDegpHwDeg_f32	63.5
k_TravelXCDeadband_Uls_f32	57.4099998
k_TravelXCHwAuthority_Uls_f32	0.0631750003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2836768512
target_GetSystemTime_mS_u32_CurrentTime	437658624
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1194.01001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	800.612976
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.01999998
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8000031
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-378.170013
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1189.01001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999

Name	Input Value		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.339996		

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

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.44 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	56.0999985	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.0999985	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000730000029	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000730000029	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000530000019
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.7000008
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	64.0999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.69999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.09999993e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000730000029
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	568.838013
VehDyn_MinOffset_HwDeg_M_f32	-1171.79395
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000361999992
VehDyn_SLPHwAuth_Uls_M_f32	0.386999995
VehDyn_SLPHwPos_HwDeg_M_f32	-1178.75
VehDyn_SrlHwAgVldTimer_mS_M_u32	123
k_HiSpdVDAuthority_Uls_f32	0.999000013
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	88.0999985
k_TravelXCDeadband_Uls_f32	58.8499985
k_TravelXCHwAuthority_Uls_f32	0.0644000024
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2478427648
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	123
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1187.75
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	811.52002
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.03000021
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.9000015
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1415.88
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0

Name	Input Value
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1178.75
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.820007

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

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

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.099976
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	125.230003
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	11.3999996
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	62.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000531999976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	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	2760420809
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.13999987e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000731999986
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-700.950012
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	573.830017
VehDyn_MinOffset_HwDeg_M_f32	-1165.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000362999999
VehDyn_SLPHwAuth_Uls_M_f32	0.372000009
VehDyn_SLPHwPos_HwDeg_M_f32	-1168.48999
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	75.0999985
k_TravelXCDeadband_Uls_f32	60.2900009
k_TravelXCHwAuthority_Uls_f32	0.065624997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4180236544
target_GetSystemTime_mS_u32_CurrentTime	3304439296
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	5477
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1181.48999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	822.427002

Name	Input Value
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.03999996
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.01001
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1081.09998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1168.48999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.080002

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	573.830017	573.830017	✔
VehDyn_MinOffset_HwDeg_M_f32	-100.390015	-100.389999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7960987	17.7961006 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477	5477	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-380.149963	-380.149994 ± 0.1	✔

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

Test Step 2.46 (Repeat Count = 1)	✔

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	0
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	0
k_TravelXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	0
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32

Name	Input Value
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.47 (Repeat Count = 1) ✔

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000736000016
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000736000016
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	64.6999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	82.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000536000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000866000017
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.5999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	18.6000004
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.6000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.22000012e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000736000016
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	583.814026
VehDyn_MinOffset_HwDeg_M_f32	-1151.74194
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000365000014
VehDyn_SLPHwAuth_Uls_M_f32	0.342000008
VehDyn_SLPHwPos_HwDeg_M_f32	-1147.96997
VehDyn_SrlHwAgVldTimer_mS_M_u32	4178051584
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	86.5
k_TravelXCDeadband_Uls_f32	63.1699982
k_TravelXCHwAuthority_Uls_f32	0.0680750012
target_DtrmnElapsedTime_mS_u32_ElapsedTime	170564352
target_GetSystemTime_mS_u32_CurrentTime	3714197504
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4178051584
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_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	-1168.96997
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	844.241028
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.01000023
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-418.170013
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-736.599976
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1147.96997
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	20.8789997

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	844.241028	844.241028	✔
VehDyn_MinOffset_HwDeg_M_f32	-1168.96997	-1168.96997	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29439259	6.29439259 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4178051584	4178051584	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-235.469971	-235.470001 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_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) ✔

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000737999973
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000737999973
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56.2000008
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	92
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000538000022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000867999974
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.5999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.4000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.6000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.26000006e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000737999973
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-401.220001
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	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
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	16445
k_SysKinRatio_MtrDegpHwDeg_f32	42.0999985
k_TravelXCDeadband_Uls_f32	64.6100006
k_TravelXCHwAuthority_Uls_f32	0.0693000033
target_DtrmnElapsedTime_mS_u32_ElapsedTime	625668608
target_GetSystemTime_mS_u32_CurrentTime	2894938880
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4077829376
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1162.70996
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	855.14801
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.09000015
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-425.869995
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1210.59998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1137.70996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	25.5499992

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2894938880	2894938880	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2894938880	2894938880	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	855.14801	855.14801	✔
VehDyn_MinOffset_HwDeg_M_f32	-1162.70996	-1162.70996	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1910667	15.1910677 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376	4077829376	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.326999992	0.326999992 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	72.8900146	72.8899994 ± 0.1	✔

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

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000739999989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000739999989
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	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	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000539999979
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000869999989
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	34.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.5999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.4000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.6000004
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.3e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000739999989
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-301.309998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	593.797974
VehDyn_MinOffset_HwDeg_M_f32	-1138.37402
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000367000001
VehDyn_SLPHwAuth_Uls_M_f32	0.312000006
VehDyn_SLPHwPos_HwDeg_M_f32	-1127.44995
VehDyn_SrlHwAgVldTimer_mS_M_u32	2644937728
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	32
k_SysKinRatio_MtrDegpHwDeg_f32	12.1000004
k_TravelXCDeadband_Uls_f32	66.0500031
k_TravelXCHwAuthority_Uls_f32	0.070524998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1711664384
target_GetSystemTime_mS_u32_CurrentTime	2059598336
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	123
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2644937728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_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	-1156.44995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	866.054993
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.17000008
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	752.679993
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-10.3400002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1127.44995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998
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	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2059598336	2059598336	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	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	-1138.37402	-1138.37402	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9914389	13.9914389 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2644937728	2644937728	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	290.970001	290.970001 ± 0.1	✔

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

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.0999999
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.0999985
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	20423
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000742000004
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000742000004
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	18
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.69999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000541999994
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000872000004
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	2.9000001
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.9000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.7999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.33999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
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_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-201.399994
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	598.789978
VehDyn_MinOffset_HwDeg_M_f32	-1131.68994
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000368000008
VehDyn_SLPHwAuth_Uls_M_f32	0.296999991
VehDyn_SLPHwPos_HwDeg_M_f32	-1117.18994
VehDyn_SrlHwAgVldTimer_mS_M_u32	2212175616
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	6.5
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	4891
k_SysKinRatio_MtrDegpHwDeg_f32	53.2999992
k_TravelXCDeadband_Uls_f32	67.4899979
k_TravelXCHwAuthority_Uls_f32	0.0717500001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1568734208
target_GetSystemTime_mS_u32_CurrentTime	800969984
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	5477
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2212175616
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	-6.48000002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1117.18994
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_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	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	800969984	800969984	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.0009	✔
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	800969984	800969984	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	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	598.789978	598.789978	✔
VehDyn_MinOffset_HwDeg_M_f32	-1131.68994	-1131.68994	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.8933773	8.8933773 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2212175616	2212175616	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	194.919998	194.919998 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.51 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime

Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.199997
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000744000019
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000744000019
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
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	66.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	50.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00054400001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000874000019
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	120.800003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.9000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.9000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.37999988e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000744000019
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	603.781982
VehDyn_MinOffset_HwDeg_M_f32	-1125.00598
VehDyn_PinTrqSV_M_str.SV_Uls_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	2059598336
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	91986
k_SysKinRatio_MtrDegpHwDeg_f32	86.5
k_TravelXCDeadband_Uls_f32	68.9300003
k_TravelXCHwAuthority_Uls_f32	0.0729750022
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4195077888
target_GetSystemTime_mS_u32_CurrentTime	569984000

Name	Input Value
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	89
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2059598336
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1143.93005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	887.869019
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.32999992
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753.640015
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-444.170013
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1106.93005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.9199982

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	569984000	569984000	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	887.869019	887.869019	✔
VehDyn_MinOffset_HwDeg_M_f32	-1143.93005	-1143.93005	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8913918	13.8913927 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2059598336	2059598336	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-342.680023	-342.679993 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	350.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000745999976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000745999976
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	69
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000546000025
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000875999976
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	350.899994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.800003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.89999962
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.7999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.41999982e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000745999976
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	608.773987
VehDyn_MinOffset_HwDeg_M_f32	-1118.32202
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000369999994
VehDyn_SLPHwAuth_Uls_M_f32	0.26699999
VehDyn_SLPHwPos_HwDeg_M_f32	-1096.67004
VehDyn_SrlHwAgVldTimer_mS_M_u32	800969984
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	12
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985

Name	Input Value
k_TravelXCDeadband_Uls_f32	70.3700027
k_TravelXCHwAuthority_Uls_f32	0.0741999969
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824
target_GetSystemTime_mS_u32_CurrentTime	3351443200
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4178051584
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	800969984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1137.67004
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	898.776001
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.40999985
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.139999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1146.91003
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1096.67004
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	38.6699982

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.53 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	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
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
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_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	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
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000547999982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992
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	400.799988
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	2160073393
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.46000013e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000747999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1

Name	Input Value
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	613.765991
VehDyn_MinOffset_HwDeg_M_f32	-1111.63794
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000371000002
VehDyn_SLPHwAuth_Uls_M_f32	0.252000004
VehDyn_SLPHwPos_HwDeg_M_f32	-1086.41003
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	45
k_TravelXCDeadband_Uls_f32	71.8099976
k_TravelXCHwAuthority_Uls_f32	0.075424999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3524313344
target_GetSystemTime_mS_u32_CurrentTime	1358028288
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4077829376
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1131.41003
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	909.682983
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.48999977
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.64001
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1459.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1086.41003
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.3699989

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1358028288	1358028288	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.0009	✔
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	613.765991	613.765991	✔
VehDyn_MinOffset_HwDeg_M_f32	327.98999	327.98999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19533825	3.19533825 ± 0.000009	✔

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.54 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000750000007
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007
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
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30000
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43128
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000549999997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000880000007
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	600.900024
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.800003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.8999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	85.8000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.50000007e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000750000007
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	198.240005

Name	Input Value
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	618.757996
VehDyn_MinOffset_HwDeg_M_f32	-1104.95398
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00037200001
VehDyn_SLPHwAuth_Uls_M_f32	0.237000003
VehDyn_SLPHwPos_HwDeg_M_f32	-1076.15002
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360
k_HiSpdVDAuthority_Uls_f32	0.670000017
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	65
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031
k_TravelXCDeadband_Uls_f32	73.25
k_TravelXCHwAuthority_Uls_f32	0.0766500011
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104
target_GetSystemTime_mS_u32_CurrentTime	123
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2644937728
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1125.15002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	920.590027
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.56999969
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	459.209991
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1076.15002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.179993

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	123	123	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	123	123	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	461.380035	461.380005	✔

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

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

Test Step 2.55 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	136.300003	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.3000031	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000752000022	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000752000022	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.4000015	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000552000012	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000882000022	
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	200.800003	
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	1024	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.54000001e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001	
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	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-623.75
VehDyn_MinOffset_HwDeg_M_f32	-1098.27002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000372999988
VehDyn_SLPHwAuth_Uls_M_f32	0.222000003
VehDyn_SLPHwPos_HwDeg_M_f32	-1065.89001
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	112
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	74.6900024
k_TravelXCHwAuthority_Uls_f32	0.0778750032
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2894938880
target_GetSystemTime_mS_u32_CurrentTime	5477
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2212175616
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4077829376
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1118.89001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	931.497009
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.64999962
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.339996
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1001.01001
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1065.89001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
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	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	5477	5477	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001 ± 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	109643620	109643620	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

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

Test Step 2.56 (Repeat Count = 1)	✔
Name	**Input Value**
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	146.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	164464918
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000753999979
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000753999979
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	84.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	164464918
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000554000027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000883999979
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	457.600006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.6000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.57999995e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000753999979

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	398.059998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	628.742004
VehDyn_MinOffset_HwDeg_M_f32	-1091.58606
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000373999996
VehDyn_SLPHwAuth_Uls_M_f32	0.207000002
VehDyn_SLPHwPos_HwDeg_M_f32	-1055.63
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	1385
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	89
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2059598336
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1112.63
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	942.403992
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.72999954
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.900024
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1312.29004
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1055.63
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	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	4290967295	4290967295	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	164464918	164464918	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	89	89	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	164464918	164464918	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	89	89	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	164464918	164464918	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔

TEST DETAILS REPORT

VehDyn_Per1

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.57 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.799988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.800003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.79999995
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.7999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000755999994
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000755999994
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	64
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30000
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000555999984
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000885999994
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	498.100006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	219286216

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.61999989e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000755999994
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	497.970001
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	633.734009
VehDyn_MinOffset_HwDeg_M_f32	-1084.90198
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000375000003
VehDyn_SLPHwAuth_Uls_M_f32	0.192000002
VehDyn_SLPHwPos_HwDeg_M_f32	-1045.37
VehDyn_SrlHwAgVldTimer_mS_M_u32	1736795392
k_HiSpdVDAuthority_Uls_f32	0.170000002
k_HwTqMgnThd_HwNm_f32	6.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	744
k_SysKinRatio_MtrDegpHwDeg_f32	52.2999992
k_TravelXCDeadband_Uls_f32	77.5699997
k_TravelXCHwAuthority_Uls_f32	0.080325
target_DtrmnElapsedTime_mS_u32_ElapsedTime	800969984
target_GetSystemTime_mS_u32_CurrentTime	4178051584
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTi	800969984
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1736795392
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_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	-1106.37
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	953.310974
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.81000042
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1089.29004
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1045.37
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-5.4000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	159.820007

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	219286216	219286216	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4178051584	4178051584	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	219286216	219286216	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	219286216	219286216	✔

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

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

Test Step 2.58 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.299988	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	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	2160073393	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000758000009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	
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	6.0999999	
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	-1600	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000558	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	
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.FiltPinTrq_HwNm_f32	5.5999999	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.65999983e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000758000009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	597.880005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	638.726013
VehDyn_MinOffset_HwDeg_M_f32	-1078.21802
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000376000011
VehDyn_SLPHwAuth_Uls_M_f32	0.177000001
VehDyn_SLPHwPos_HwDeg_M_f32	-1035.10999
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	7.0999999
k_LoSpdVDAuthority_Uls_f32	0.00899999961
k_SrlHwAgVldTiThd_mS_u32	700
k_SysKinRatio_MtrDegpHwDeg_f32	10.5
k_TravelXCDeadband_Uls_f32	79.0100021
k_TravelXCHwAuthority_Uls_f32	0.0815500021
target_DtrmnElapsedTime_mS_u32_ElapsedTime	569984000
target_GetSystemTime_mS_u32_CurrentTime	4077829376
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1100.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	964.218018
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.89000034
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.700012
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1503.19995
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1035.10999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	357.25

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4077829376	4077829376	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

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

Test Step 2.59 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.1999969	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000812000013	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000812000013	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.0999985	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	123	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2000008	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000600000028	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000192000007	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.599998	

Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.74000005e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000812000013		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	773.51001		
VehDyn_MinOffset_HwDeg_M_f32	-897.75		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000403000013		
VehDyn_SLPHwAuth_Uls_M_f32	0.284000009		
VehDyn_SLPHwPos_HwDeg_M_f32	-758.090027		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	1.5		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	703		
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004		
k_TravelXCDeadband_Uls_f32	85.7799988		
k_TravelXCHwAuthority_Uls_f32	0.114624999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864		
target_GetSystemTime_mS_u32_CurrentTime	2942063360		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	463842816		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-931.090027		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1258.70703		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	2.20000005		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.399994		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1341.30005		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-758.090027		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.070007		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔

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

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

Test Step 2.60 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30404	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000828000018	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	400.200012	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000615999976	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000224000003	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	

Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	498.399994		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.100006		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	19.2999992		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.3999996		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.05999994e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	897.609985		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	813.445984		
VehDyn_MinOffset_HwDeg_M_f32	-844.278015		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000410999986		
VehDyn_SLPHwAuth_Uls_M_f32	0.419999987		
VehDyn_SLPHwPos_HwDeg_M_f32	-676.01001		
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	2.0999999		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	456		
k_SysKinRatio_MtrDegpHwDeg_f32	52.5		
k_TravelXCDeadband_Uls_f32	77.5400009		
k_TravelXCHwAuthority_Uls_f32	0.124425001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008		
target_GetSystemTime_mS_u32_CurrentTime	2127166208		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	123		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-881.01001		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1345.96301		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.79999995		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8000031		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-676.01001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.4099998		
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔

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

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

Test Step 2.61 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	662.900024	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.899994	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.9000001	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.9000015	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43190	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3186	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000763999997	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000763999997	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	498.200012	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.4000015	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4290967295	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.5	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000563999987	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000893999997	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	662.400024
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.78000002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000763999997
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	897.609985
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	653.702026
VehDyn_MinOffset_HwDeg_M_f32	-1058.16602
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000379000005
VehDyn_SLPHwAuth_Uls_M_f32	0.131999999
VehDyn_SLPHwPos_HwDeg_M_f32	-1004.33002
VehDyn_SrlHwAgVldTimer_mS_M_u32	1759885568
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.119999997
k_LoSpdVDAuthority_Uls_f32	0.467000008
k_SrlHwAgVldTiThd_mS_u32	703
k_SysKinRatio_MtrDegpHwDeg_f32	56.2999992
k_TravelXCDeadband_Uls_f32	83.3300018
k_TravelXCHwAuthority_Uls_f32	0.085225001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1975593216
target_GetSystemTime_mS_u32_CurrentTime	2059598336
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1081.32996
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	996.939026
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.15999985
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.09998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1385.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1004.33002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	369.100006

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

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

Test Step 2.62 (Repeat Count = 1)	✔
Name	**Input Value**
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000766000012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000766000012
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	539
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000896000012

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	206.399994
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.81999996e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000766000012
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	658.69397
VehDyn_MinOffset_HwDeg_M_f32	-1051.48206
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000380000012
VehDyn_SLPHwAuth_Uls_M_f32	0.116999999
VehDyn_SLPHwPos_HwDeg_M_f32	-994.070007
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.44999981
k_LoSpdVDAuthority_Uls_f32	0.870000005
k_SrlHwAgVldTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	54.5
k_TravelXCDeadband_Uls_f32	84.7699966
k_TravelXCHwAuthority_Uls_f32	0.0864500031
target_DtrmnElapsedTime_mS_u32_ElapsedTime	910116864
target_GetSystemTime_mS_u32_CurrentTime	800969984
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTi mS_u32_ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1075.06995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1007.84601
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.73999977
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.699997
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1036.69995
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-994.070007
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	156.100006

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔

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

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

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

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000898000028
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	138.699997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.70000005
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.8599999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000768000027
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1097.43005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	663.685974
VehDyn_MinOffset_HwDeg_M_f32	-1044.79797
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000380999991
VehDyn_SLPHwAuth_Uls_M_f32	0.101999998
VehDyn_SLPHwPos_HwDeg_M_f32	-983.809998
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	0.566999972
k_SrlHwAgVldTiThd_mS_u32	1000
k_SysKinRatio_MtrDegpHwDeg_f32	85.0999985
k_TravelXCDeadband_Uls_f32	86.2099991
k_TravelXCHwAuthority_Uls_f32	0.0876749977
target_DtrmnElapsedTime_mS_u32_ElapsedTime	402713344
target_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1068.81006
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1018.75299
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.32000017
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.5999985
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1307.94995
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-983.809998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	135.5

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.64 (Repeat Count = 1) ✔

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

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.7000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.89999984e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000769999984
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1197.33997
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	668.677979
VehDyn_MinOffset_HwDeg_M_f32	-1038.11401
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000381999998
VehDyn_SLPHwAuth_Uls_M_f32	0.0869999975
VehDyn_SLPHwPos_HwDeg_M_f32	-973.549988
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	0.449999988
k_SrlHwAgVldTiThd_mS_u32	20045
k_SysKinRatio_MtrDegpHwDeg_f32	96
k_TravelXCDeadband_Uls_f32	87.6500015
k_TravelXCHwAuthority_Uls_f32	0.0888999999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4178051584
target_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1062.55005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1029.66003
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.9000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.5
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-893.640015
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-973.549988
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	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1029.66003	1029.66003	✔
VehDyn_MinOffset_HwDeg_M_f32	-1062.55005	-1062.55005	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29498005	6.29498005 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.65 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000771999999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000771999999
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	56.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000902
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	539.119995
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.020004
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.11999989
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0200005
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.94000014e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000771999999
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-673.669983
VehDyn_MinOffset_HwDeg_M_f32	-1031.43005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000383000006
VehDyn_SLPHwAuth_Uls_M_f32	0.0719999969
VehDyn_SLPHwPos_HwDeg_M_f32	-963.289978
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688
k_HiSpdVDAuthority_Uls_f32	0.200000003
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	0.370000005
k_SrlHwAgVldTiThd_mS_u32	951
k_SysKinRatio_MtrDegpHwDeg_f32	97.0999985
k_TravelXCDeadband_Uls_f32	89.0899963
k_TravelXCHwAuthority_Uls_f32	0.090125002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	569984000
target_GetSystemTime_mS_u32_CurrentTime	4077829376
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1056.29004
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1040.56702
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.48000002
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	616.409973
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-963.289978

Name	Input Value		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.5800018		

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

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

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

Name	Input Value
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	176
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000577999977
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
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	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	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.29999998e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079000002
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	15.6000004
VehDyn_MinOffset_HwDeg_M_f32	16.7000008
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000391999987
VehDyn_SLPHwAuth_Uls_M_f32	0.0970000029
VehDyn_SLPHwPos_HwDeg_M_f32	-870.950012
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	4891
k_SysKinRatio_MtrDegpHwDeg_f32	86.5
k_TravelXCDeadband_Uls_f32	97.1100006
k_TravelXCHwAuthority_Uls_f32	0.101149999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_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	-999.950012
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1138.72998
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.53999996

Name	Input Value
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.899994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1014.73999
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-870.950012
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.3600006

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	15.6000004	15.6000004	✔
VehDyn_MinOffset_HwDeg_M_f32	16.7000008	16.7000008	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50272346	1.50272346 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984	2659241984	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0970000029	0.0970000029 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.67 (Repeat Count = 1) ✔

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000823999988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000823999988
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000612000003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000216
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	200.699997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.69999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.98000006e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000823999988
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	697.789978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	803.461975
VehDyn_MinOffset_HwDeg_M_f32	-857.645996
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000409
VehDyn_SLPHwAuth_Uls_M_f32	0.386000007
VehDyn_SLPHwPos_HwDeg_M_f32	-696.530029
VehDyn_SrlHwAgVldTimer_mS_M_u32	89763
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	90
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985
k_TravelXCDeadband_Uls_f32	79.5999985
k_TravelXCHwAuthority_Uls_f32	0.121974997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752
target_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	89763
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-893.530029
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1324.14905
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.04999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-696.530029
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.7700005

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1324.14905	1324.14905	✔
VehDyn_MinOffset_HwDeg_M_f32	-893.530029	-893.530029	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39637709	-5.39637709 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	89763	89763	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	902.210022	902.210022 ± 0.1	✔

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

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000777999987
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000777999987
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138.199997
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126.199997
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	-136.300003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.099998
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.05999997e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000777999987
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1596.97998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	688.645996
VehDyn_MinOffset_HwDeg_M_f32	-1011.37799
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000386
VehDyn_SLPHwAuth_Uls_M_f32	0.0270000007
VehDyn_SLPHwPos_HwDeg_M_f32	-932.51001
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0.560000002
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985
k_TravelXCDeadband_Uls_f32	93.4100037
k_TravelXCHwAuthority_Uls_f32	0.0938000008
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2212175616
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1037.51001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1073.28796
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.01000023
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-136.300003
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-932.51001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	452.540009

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1073.28796	1073.28796	✔
VehDyn_MinOffset_HwDeg_M_f32	-1037.51001	-1037.51001	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89422607	8.89422703 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.69 (Repeat Count = 1) ✔

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadS_f32	86
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	136
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000568000018
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000910000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadS_f32	124.800003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.7999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.09999991e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1500.22998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	693.638
VehDyn_MinOffset_HwDeg_M_f32	-1004.69397
VehDyn_PinTrqSV_M_str.SV_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_Uls_f32	0.76880002
k_SrlHwAgVldTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	63.2999992
k_TravelXCDeadband_Uls_f32	94.8499985
k_TravelXCHwAuthority_Uls_f32	0.095025003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2059598336
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_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	-444.839996
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-922.25
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	423.450012

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5	448.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	693.638	693.638	✔
VehDyn_MinOffset_HwDeg_M_f32	-586.410034	-586.409973	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8915749	13.8915749 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1055.39001	1055.39001 ± 0.1	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.70 (Repeat Count = 1)   ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.099998

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000807999982
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000807999982
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.3999996
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000595999998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000184000004
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.1999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.66000017e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000807999982
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	763.526001
VehDyn_MinOffset_HwDeg_M_f32	-911.117981
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000400999998
VehDyn_SLPHwAuth_Uls_M_f32	0.25
VehDyn_SLPHwPos_HwDeg_M_f32	-778.609985
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TravelXCDeadband_Uls_f32	87.8399963
k_TravelXCHwAuthority_Uls_f32	0.112175003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-943.609985
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1236.89294
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.06000042
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.09998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-339.980011
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-778.609985
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.349998

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1236.89294	1236.89294	✔
VehDyn_MinOffset_HwDeg_M_f32	-943.609985	-943.609985	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59373665	7.59373665 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.25	0.25 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1118.58997	-1118.58997 ± 0.1	✔

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

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

Name	Input Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	88.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000783999974
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000783999974
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00057199999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-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
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	88.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.18000015e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000783999974
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1300.41003
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	703.622009
VehDyn_MinOffset_HwDeg_M_f32	-991.325989
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000388999993
VehDyn_SLPHwAuth_Uls_M_f32	0.0460000001
VehDyn_SLPHwPos_HwDeg_M_f32	-901.72998
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	75.0999985
k_TravelXCDeadband_Uls_f32	97.7300034
k_TravelXCHwAuthority_Uls_f32	0.0974749997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	569984000
target_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1018.72998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1106.00903
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1009.29999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	710.950012
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-901.72998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.449997

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1106.00903	1106.00903	✓
VehDyn_MinOffset_HwDeg_M_f32	-1018.72998	-1018.72998	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39943027	-5.3994298 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0460000001	0.0460000001 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-190.779968	-190.779999 ± 0.1	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.72 (Repeat Count = 1) ✓

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	94.8000031
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.800003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.80000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.8000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00078599999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00078599999
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
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	-714.090027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000574000005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	94.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.39999962
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.22000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00078599999
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	708.614014
VehDyn_MinOffset_HwDeg_M_f32	-984.642029
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000390000001
VehDyn_SLPHwAuth_Uls_M_f32	0.063000001
VehDyn_SLPHwPos_HwDeg_M_f32	-891.469971
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	0.879999995
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	16445
k_SysKinRatio_MtrDegpHwDeg_f32	97.0999985
k_TravelXCDeadband_Uls_f32	99.1699982
k_TravelXCHwAuthority_Uls_f32	0.0987000018
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272

Name	Input Value
target_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1012.46997
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1116.91602
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.400024
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-714.090027
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-891.469971
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.6539993

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1116.91602	1116.91602	✔
VehDyn_MinOffset_HwDeg_M_f32	-1012.46997	-1012.46997	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59978819	7.59978867 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	486.409973	486.410004 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.73 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_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	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000788000005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000788000005
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	123
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00057600002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	44.5600014
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.410004
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.25
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.26000003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000788000005
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1100.58997
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	713.606018
VehDyn_MinOffset_HwDeg_M_f32	-977.958008
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000391000009
VehDyn_SLPHwAuth_Uls_M_f32	0.0799999982
VehDyn_SLPHwPos_HwDeg_M_f32	-881.210022
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	32
k_SysKinRatio_MtrDegpHwDeg_f32	10.3000002

Name	Input Value
k_TravelXCDeadband_Uls_f32	98.1399994
k_TravelXCHwAuthority_Uls_f32	0.0999249965
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4077829376
target_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1006.21002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1127.823
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.02999973
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.399994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	110.5
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-881.210022
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.410004

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1117112832	1117112832	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	713.606018	713.606018	✔
VehDyn_MinOffset_HwDeg_M_f32	-977.958008	-977.958008	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59640932	-1.59640932 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728	309385728	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0799999982	0.0799999982 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-770.710022	-770.710022 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.74 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	126.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00079000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079000002
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
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	176
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000577999977
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
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	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	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.29999998e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079000002
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	15.6000004
VehDyn_MinOffset_HwDeg_M_f32	16.7000008
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000391999987
VehDyn_SLPHwAuth_Uls_M_f32	0.0970000029
VehDyn_SLPHwPos_HwDeg_M_f32	-870.950012
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	4891

Name	Input Value
k_SysKinRatio_MtrDegpHwDeg_f32	86.5
k_TravelXCDeadband_Uls_f32	97.1100006
k_TravelXCHwAuthority_Uls_f32	0.101149999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_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	-999.950012
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1138.72998
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.53999996
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.899994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1014.73999
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-870.950012
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.3600006

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	15.6000004	15.6000004	✔
VehDyn_MinOffset_HwDeg_M_f32	16.7000008	16.7000008	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50272346	1.50272346 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_u32	2659241984	2659241984	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0970000029	0.0970000029 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.75 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.599998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246.600006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.6000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.5999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791999977
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791999977
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	78.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000579999993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000151999993
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	124.300003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.33999992e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000791999977
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0

Name	Input Value
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-723.590027
VehDyn_MinOffset_HwDeg_M_f32	-964.590027
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000392999995
VehDyn_SLPHwAuth_Uls_M_f32	0.114
VehDyn_SLPHwPos_HwDeg_M_f32	-860.690002
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	91986
k_SysKinRatio_MtrDegpHwDeg_f32	42
k_TravelXCDeadband_Uls_f32	96.0800018
k_TravelXCHwAuthority_Uls_f32	0.102375001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	954802432
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-993.690002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1149.63696
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.05000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.299988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-284.299988
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-860.690002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.7400017

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	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	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	✔

Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360	2942063360	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	616.470032	616.469971 ± 0.1	✔

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

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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	456.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.5	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.5	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	26195	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000793999992	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000793999992	
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	88.5	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166.199997	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	255468	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	109643620	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000582000008	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000155999995	
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	456	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.2999992	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.2999992	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.37999986e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000793999992	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0	
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985	

Name	Input Value
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	728.58197
VehDyn_MinOffset_HwDeg_M_f32	-957.906006
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000394000002
VehDyn_SLPHwAuth_Uls_M_f32	0.130999997
VehDyn_SLPHwPos_HwDeg_M_f32	-850.429993
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	12
k_SysKinRatio_MtrDegpHwDeg_f32	12.1000004
k_TravelXCDeadband_Uls_f32	95.0500031
k_TravelXCHwAuthority_Uls_f32	0.103600003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-987.429993
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1160.54395
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.56000042
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	800.200012
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1259.78003
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-850.429993
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005
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	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
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	109643620	109643620	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	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	1160.54395	1160.54395	✔

Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	-987.429993	-987.429993	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7902985	-14.7902975 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832	1117112832	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.130999997	0.130999997 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	409.350037	409.350006 ± 0.1	✔

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

Test Step 2.77 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	0
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	0
k_TravelXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	0
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔

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

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

Test Step 2.78 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786
VehDyn_SLPHwAuth_Uls_M_f32	1
VehDyn_SLPHwPos_HwDeg_M_f32	1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	10
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	100000
k_SysKinRatio_MtrDegpHwDeg_f32	100
k_TravelXCDeadband_Uls_f32	100
k_TravelXCHwAuthority_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4294967295
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔

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

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

Test Step 2.79 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	126.099998	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00079000002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079000002	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
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	176	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54.0999985	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000577999977	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987	
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	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	2138628886	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.29999998e-005	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079000002
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	15.6000004
VehDyn_MinOffset_HwDeg_M_f32	16.7000008
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000391999987
VehDyn_SLPHwAuth_Uls_M_f32	0.0970000029
VehDyn_SLPHwPos_HwDeg_M_f32	-870.950012
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	4891
k_SysKinRatio_MtrDegpHwDeg_f32	86.5
k_TravelXCDeadband_Uls_f32	97.1100006
k_TravelXCHwAuthority_Uls_f32	0.101149999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_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	-999.950012
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1138.72998
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.53999996
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.899994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1014.73999
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-870.950012
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.3600006

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.80 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	0
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	0
k_TravelXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	0
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.81 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.1399994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.3999996
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000592000026
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000176000001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.3000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.57999992e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-301.309998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	753.541992
VehDyn_MinOffset_HwDeg_M_f32	-924.486023
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000399000011
VehDyn_SLPHwAuth_Uls_M_f32	0.216000006
VehDyn_SLPHwPos_HwDeg_M_f32	-799.130005
VehDyn_SrlHwAgVldTimer_mS_M_u32	1759885568
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.119999997
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	744
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031
k_TravelXCDeadband_Uls_f32	89.9000015
k_TravelXCHwAuthority_Uls_f32	0.109724998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_GetSystemTime_mS_u32_CurrentTime	2728878080
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-956.130005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1215.07898
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.03999996
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753.700012
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1361.30005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-799.130005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.049988

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔

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

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.82 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000806000025
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000806000025
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	45.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000593999983
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000180000003
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

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	152.199997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.3000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.61999987e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000806000025
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-201.399994
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	758.533997
VehDyn_MinOffset_HwDeg_M_f32	-917.802002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00039999999
VehDyn_SLPHwAuth_Uls_M_f32	0.232999995
VehDyn_SLPHwPos_HwDeg_M_f32	-788.869995
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.44999981
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	700
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	88.8700027
k_TravelXCHwAuthority_Uls_f32	0.110950001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_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	-949.869995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1225.98596
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.05000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.600006
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	586.059998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-788.869995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_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	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	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	✔

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.83 (Repeat Count = 1) ✔

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

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.1999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.66000017e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000807999982
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	763.526001
VehDyn_MinOffset_HwDeg_M_f32	-911.117981
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000400999998
VehDyn_SLPHwAuth_Uls_M_f32	0.25
VehDyn_SLPHwPos_HwDeg_M_f32	-778.609985
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TravelXCDeadband_Uls_f32	87.8399963
k_TravelXCHwAuthority_Uls_f32	0.112175003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208
target_GetSystemTime_mS_u32_CurrentTime	309385728
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTi mS u32 ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-943.609985
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1236.89294
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.06000042
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.09998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-339.980011
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-778.609985
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.349998

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728	309385728	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓

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

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

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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	66	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000809999998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000809999998	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56.2000008	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246.100006	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.1999969	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000598000013	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000188000005
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_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	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.70000011e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000809999998
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_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_Uls_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	52
k_TravelXCDeadband_Uls_f32	86.8099976
k_TravelXCHwAuthority_Uls_f32	0.113399997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688
target_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-937.349976
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1247.80005
target_VehDyn_Per1_HwTorque_HwNm_f32.value	2
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1590.80005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-768.349976
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.869995

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔

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

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.85 (Repeat Count = 1)   ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000812000013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000812000013
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	123
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000600000028
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000192000007
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.599998
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.74000005e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000812000013
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	773.51001
VehDyn_MinOffset_HwDeg_M_f32	-897.75
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000403000013
VehDyn_SLPHwAuth_Uls_M_f32	0.284000009
VehDyn_SLPHwPos_HwDeg_M_f32	-758.090027
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	703
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004
k_TravelXCDeadband_Uls_f32	85.7799988
k_TravelXCHwAuthority_Uls_f32	0.114624999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-931.090027
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1258.70703
target_VehDyn_Per1_HwTorque_HwNm_f32.value	2.20000005
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.399994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1341.30005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-758.090027
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.070007

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-82.5930176	-82.5930023	✔
VehDyn_MinOffset_HwDeg_M_f32	-897.75	-897.75	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59865212	-1.59865212 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1242.97009	1242.96997 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.86 (Repeat Count = 1) ✔

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

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000595999998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000184000004
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.1999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.66000017e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000807999982
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	763.526001
VehDyn_MinOffset_HwDeg_M_f32	-911.117981
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000400999998
VehDyn_SLPHwAuth_Uls_M_f32	0.25
VehDyn_SLPHwPos_HwDeg_M_f32	-778.609985
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TravelXCDeadband_Uls_f32	87.8399963
k_TravelXCHwAuthority_Uls_f32	0.112175003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-943.609985
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1236.89294
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.06000042
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.09998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-339.980011
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-778.609985
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.349998

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1236.89294	1236.89294	✔
VehDyn_MinOffset_HwDeg_M_f32	-943.609985	-943.609985	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59373665	7.59373665 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.25	0.25 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1118.58997	-1118.58997 ± 0.1	✔

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

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

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000615999976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000224000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	498.399994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.3999996
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.05999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	897.609985
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	813.445984
VehDyn_MinOffset_HwDeg_M_f32	-844.278015
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000410999986
VehDyn_SLPHwAuth_Uls_M_f32	0.419999987
VehDyn_SLPHwPos_HwDeg_M_f32	-676.01001
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	52.5
k_TravelXCDeadband_Uls_f32	77.5400009
k_TravelXCHwAuthority_Uls_f32	0.124425001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	123
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-881.01001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1345.96301
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.79999995
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8000031
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-676.01001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1

Name	Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.4099998		

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

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

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

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	8366
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	51002
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000606000016
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000203999996
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	350.600006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.29999995
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.8000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.85999987e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000818
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	398.059998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	788.486023
VehDyn_MinOffset_HwDeg_M_f32	-877.697998
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
VehDyn_SrlHwAgVldTimer_mS_M_u32	7858
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	20045
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	7858
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	1259.69995
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-727.309998

Name	Input Value		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	25.8700008		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1291.42798	1291.42798	✔
VehDyn_MinOffset_HwDeg_M_f32	-912.309998	-912.309998	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99596214	-6.99596214 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	7858	7858	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.335000008	0.335000008 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	532.389954	532.390015 ± 0.1	✔

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

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	3658
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	5853
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000607999973
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000207999998
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	400.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.90000018e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000820000016
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	497.970001
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	793.478027
VehDyn_MinOffset_HwDeg_M_f32	-871
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000407000014
VehDyn_SLPHwAuth_Uls_M_f32	0.351999998
VehDyn_SLPHwPos_HwDeg_M_f32	-717.049988
VehDyn_SrlHwAgVldTimer_mS_M_u32	333
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	951
k_SysKinRatio_MtrDegpHwDeg_f32	54.0999985
k_TravelXCDeadband_Uls_f32	81.6600037
k_TravelXCHwAuthority_Uls_f32	0.119525
target_DtrmnElapsedTime_mS_u32_ElapsedTime	954802432
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	333
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-906
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1302.33496
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3

Name	Input Value
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.100006
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1593
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-717.049988
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	30.4099998

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	793.478027	793.478027	✔
VehDyn_MinOffset_HwDeg_M_f32	687	687	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79798317	7.79798317 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	333	333	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.90 (Repeat Count = 1) ✔

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000777999987
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138.199997
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.099998
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.05999997e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000777999987
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1596.97998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	688.645996
VehDyn_MinOffset_HwDeg_M_f32	-1011.37799
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000386
VehDyn_SLPHwAuth_Uls_M_f32	0.0270000007
VehDyn_SLPHwPos_HwDeg_M_f32	-932.51001
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0.560000002
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985
k_TravelXCDeadband_Uls_f32	93.4100037
k_TravelXCHwAuthority_Uls_f32	0.0938000008
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2212175616
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1037.51001

Name	Input Value
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1073.28796
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.01000023
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-136.300003
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-932.51001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	452.540009

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	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	1073.28796	1073.28796	✔
VehDyn_MinOffset_HwDeg_M_f32	-1037.51001	-1037.51001	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89422607	8.89422703 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

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

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000823999988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000823999988
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	52.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000612000003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000216
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	200.699997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.69999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.98000006e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000823999988
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	697.789978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	803.461975
VehDyn_MinOffset_HwDeg_M_f32	-857.645996
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000409
VehDyn_SLPHwAuth_Uls_M_f32	0.386000007
VehDyn_SLPHwPos_HwDeg_M_f32	-696.530029
VehDyn_SrlHwAgVldTimer_mS_M_u32	89763
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	90
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985
k_TravelXCDeadband_Uls_f32	79.5999985
k_TravelXCHwAuthority_Uls_f32	0.121974997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752
target_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	89763
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-893.530029
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1324.14905
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.04999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-696.530029
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.7700005

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1324.14905	1324.14905	✓
VehDyn_MinOffset_HwDeg_M_f32	-893.530029	-893.530029	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39637709	-5.39637709 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	89763	89763	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	902.210022	902.210022 ± 0.1	✓

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

Test Step 2.92 (Repeat Count = 1)	✓

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.899994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.899994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	5.9000001
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.9000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000826000003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000826000003
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	350.399994
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	34
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000614000019
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000220000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	457.100006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	13.1999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.3000002
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.02e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000826000003
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	797.700012
VehDyn_HiSpdLearnt_Cnt_M_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_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000410000008
VehDyn_SLPHwAuth_Uls_M_f32	0.402999997
VehDyn_SLPHwPos_HwDeg_M_f32	-686.27002
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	32.2999992
k_TravelXCDeadband_Uls_f32	78.5699997
k_TravelXCHwAuthority_Uls_f32	0.123199999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728
target_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-887.27002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1335.05603
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.5999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.600006
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	45.0099983
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-686.27002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	38.6300011

Name	Actual Value	Expected Value	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	45.0099983	45.0099983 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.000009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_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	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-752.690002	-752.690002 ± 0.1	✔

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

Test Step 2.93 (Repeat Count = 1)		✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000828000018
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	400.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000615999976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000224000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	498.399994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	19.2999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.3999996
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.05999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	897.609985
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	813.445984
VehDyn_MinOffset_HwDeg_M_f32	-844.278015
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000410999986
VehDyn_SLPHwAuth_Uls_M_f32	0.419999987
VehDyn_SLPHwPos_HwDeg_M_f32	-676.01001
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	52.5
k_TravelXCDeadband_Uls_f32	77.5400009
k_TravelXCHwAuthority_Uls_f32	0.124425001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	123
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_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_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-881.01001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1345.96301
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.79999995
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8000031
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-676.01001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.4099998

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

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

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.800003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.79999995
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.8000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000829999975
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000829999975
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.4000015
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000617999991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000228000004
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	539.099976
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.09999988e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000829999975
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	818.437988
VehDyn_MinOffset_HwDeg_M_f32	-837.593994
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000411999994
VehDyn_SLPHwAuth_Uls_M_f32	0.437000006
VehDyn_SLPHwPos_HwDeg_M_f32	-665.75
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32	0.899999976
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0.100000001
k_SrlHwAgVldTiThd_mS_u32	3229
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985
k_TravelXCDeadband_Uls_f32	76.5100021
k_TravelXCHwAuthority_Uls_f32	0.125650004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	54689
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

Name	Input Value		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-874.75		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1356.87		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	4		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.5400009		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-275.019989		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-665.75		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.869995		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	818.437988	818.437988	✔
VehDyn_MinOffset_HwDeg_M_f32	-599.72998	-599.72998	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59766078	-1.59766078 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1272.54004	-1272.54004 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.95 (Repeat Count = 1) ✔

Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime		

Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	580.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.100006
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	16683
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
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	-880.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000831999991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000831999991
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
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000620000006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000232000006
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	580.01001
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.01000023
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	56.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
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	-880.02002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.14000019e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000831999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1097.43005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-823.429993
VehDyn_MinOffset_HwDeg_M_f32	-830.909973
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000413000002
VehDyn_SLPHwAuth_Uls_M_f32	0.453999996
VehDyn_SLPHwPos_HwDeg_M_f32	-655.48999
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	0.600000024
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	63.0999985
k_TravelXCDeadband_Uls_f32	75.4800034
k_TravelXCHwAuthority_Uls_f32	0.126874998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	7858

Name	Input Value
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-868.48999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1367.77698
target_VehDyn_Per1_HwTorque_HwNm_f32.value	4.19999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.099976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-880.02002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-655.48999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-5.4000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.6399994

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1367.77698	1367.77698	✔
VehDyn_MinOffset_HwDeg_M_f32	-868.48999	-868.48999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7921886	-14.7921886 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.96 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	66
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000809999998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000809999998
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56.2000008
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000598000013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000188000005
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.70000011e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000809999998
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_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_Uls_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	52
k_TravelXCDeadband_Uls_f32	86.8099976
k_TravelXCHwAuthority_Uls_f32	0.113399997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688

Name	Input Value
target_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-937.349976
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1247.80005
target_VehDyn_Per1_HwTorque_HwNm_f32.value	2
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1590.80005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-768.349976
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.869995

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1247.80005	1247.80005	✔
VehDyn_MinOffset_HwDeg_M_f32	-937.349976	-937.349976	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50024426	1.50024426 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.26699999	0.26699999 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	822.450073	822.450012 ± 0.1	✔

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

Test Step 2.97 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000812000013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000812000013
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	123
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000600000028
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000192000007
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.599998
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.74000005e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000812000013
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	773.51001
VehDyn_MinOffset_HwDeg_M_f32	-897.75
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000403000013
VehDyn_SLPHwAuth_Uls_M_f32	0.284000009
VehDyn_SLPHwPos_HwDeg_M_f32	-758.090027
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	703
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004

Name	Input Value
k_TravelXCDeadband_Uls_f32	85.7799988
k_TravelXCHwAuthority_Uls_f32	0.114624999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-931.090027
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1258.70703
target_VehDyn_Per1_HwTorque_HwNm_f32.value	2.20000005
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.399994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1341.30005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-758.090027
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.070007

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-82.5930176	-82.5930023	✔
VehDyn_MinOffset_HwDeg_M_f32	-897.75	-897.75	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59865212	-1.59865212 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1242.97009	1242.96997 ± 0.1	✔

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

Test Step 2.98 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	0

Name	Input Value
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	0
k_TravelXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	0
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

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

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

Test Step 2.99 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786
VehDyn_SLPHwAuth_Uls_M_f32	1
VehDyn_SLPHwPos_HwDeg_M_f32	1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	10
k_LoSpdVDAuthority_Uls_f32	1

Name	Input Value
k_SrlHwAgVldTiThd_mS_u32	100000
k_SysKinRatio_MtrDegpHwDeg_f32	100
k_TravelXCDeadband_Uls_f32	100
k_TravelXCHwAuthority_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	4294967295
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	4294967295
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511

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

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000828000018
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	400.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000615999976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000224000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	498.399994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	19.2999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	25.3999996
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.05999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000828000018
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	897.609985
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	813.445984

Name	Input Value
VehDyn_MinOffset_HwDeg_M_f32	-844.278015
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000410999986
VehDyn_SLPHwAuth_Uls_M_f32	0.419999987
VehDyn_SLPHwPos_HwDeg_M_f32	-676.01001
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	52.5
k_TravelXCDeadband_Uls_f32	77.5400009
k_TravelXCHwAuthority_Uls_f32	0.124425001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	123
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-881.01001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1345.96301
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.79999995
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8000031
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-676.01001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.4099998

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

Name	Actual Value	Expected Value	Result
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-897.609985	-897.609985 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.101 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	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	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000844000024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
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	-880.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000631999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
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	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.37999983e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
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_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1500.22998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1

Name	Input Value
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	853.382019
VehDyn_MinOffset_HwDeg_M_f32	-790.80603
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000418999989
VehDyn_SLPHwAuth_Uls_M_f32	0.555999994
VehDyn_SLPHwPos_HwDeg_M_f32	-593.929993
VehDyn_SrlHwAgVldTimer_mS_M_u32	1736795392
k_HiSpdVDAuthority_Uls_f32	0.119999997
k_HwTqMgnThd_HwNm_f32	0.119999997
k_LoSpdVDAuthority_Uls_f32	0.800000012
k_SrlHwAgVldTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	12.1000004
k_TravelXCDeadband_Uls_f32	69.3000031
k_TravelXCHwAuthority_Uls_f32	0.134224996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2430672128
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1736795392
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1.VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	-880.02002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-593.929993
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	369.75

Name	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	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	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	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.5	448.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	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	853.382019	853.382019	✔
VehDyn_MinOffset_HwDeg_M_f32	49.0900269	49.0900002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89857769	8.89857864 ± 0.000009	✔

Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	1736795392	1736795392	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	620.209961	620.210022 ± 0.1	✔

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

Test Step 2.102 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	662.400024
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	2345892860
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000845999981
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
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	2345892860
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000633999996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000260000001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	96.6999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	42.5999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.69999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.42000014e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000845999981
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1400.31995

Name	Input Value
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	858.374023
VehDyn_MinOffset_HwDeg_M_f32	-784
VehDyn_PinTrqSV_M_str.SV_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.44999981
k_LoSpdVDAuthority_Uls_f32	0.5
k_SrlHwAgVldTiThd_mS_u32	65
k_SysKinRatio_MtrDegpHwDeg_f32	53.5
k_TravelXCDeadband_Uls_f32	68.2699966
k_TravelXCHwAuthority_Uls_f32	0.135450006
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2242866176
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-824
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1427.65002
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.5999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.410004
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1454.77002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-583.669983
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	156.960007

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	858.374023	858.374023	✔

Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	630.77002	630.77002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8965578	13.8965578 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088	3437401088	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.5	0.5 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

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

Test Step 2.103 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	0
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	0
k_TravelXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	0
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔

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

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

Test Step 2.104 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	138.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.199997	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.20000005	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.1999969	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000850000011	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000850000011	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000638000027	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000268000003	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.699997	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.600006	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.70000005	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5999985	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000850000011	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	868.357971
VehDyn_MinOffset_HwDeg_M_f32	-770.754028
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000422000012
VehDyn_SLPHwAuth_Uls_M_f32	0.606999993
VehDyn_SLPHwPos_HwDeg_M_f32	-563.150024
VehDyn_SrlHwAgVldTimer_mS_M_u32	463842816
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32	96.3000031
k_TravelXCDeadband_Uls_f32	66.2099991
k_TravelXCHwAuthority_Uls_f32	0.137899995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3533260288
target_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	463842816
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-812.150024
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1416.51196
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-293.049988
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-563.150024
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.75

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1416.51196	1416.51196	✔
VehDyn_MinOffset_HwDeg_M_f32	-812.150024	-812.150024	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20116019	3.20116019 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	463842816	463842816	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	907.450012	907.450012 ± 0.1	✔

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

Test Step 2.105 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.200012	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.199997	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.2000008	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000852000026	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000852000026	
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	4004004656	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000639999984	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000272000005	
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	98.8000031	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.3000031	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.8000002	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2999992	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000852000026
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1100.58997
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	873.349976
VehDyn_MinOffset_HwDeg_M_f32	-764.070007
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00042299999
VehDyn_SLPHwAuth_Uls_M_f32	0.624000013
VehDyn_SLPHwPos_HwDeg_M_f32	-552.890015
VehDyn_SrlHwAgVldTimer_mS_M_u32	1759885568
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	744
k_SysKinRatio_MtrDegpHwDeg_f32	32.5
k_TravelXCDeadband_Uls_f32	65.1800003
k_TravelXCHwAuthority_Uls_f32	0.139125004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
target_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2942063360
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-805.890015
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1410.94299
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.19999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1009.29999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-627.179993
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-552.890015
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.109985

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	873.349976	873.349976	✔
VehDyn_MinOffset_HwDeg_M_f32	-178.710022	-178.710007	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79938316	7.79938316 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1759885568	1759885568	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	473.409973	473.410004 ± 0.1	✔

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

Test Step 2.106 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	662.400024	
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	2345892860	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000845999981	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	
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	2345892860	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000633999996	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000260000001	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	96.6999969	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	42.5999985	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.69999981	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.5999985	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.42000014e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000845999981
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1400.31995
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	858.374023
VehDyn_MinOffset_HwDeg_M_f32	-784
VehDyn_PinTrqSV_M_str.SV_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.44999981
k_LoSpdVDAuthority_Uls_f32	0.5
k_SrlHwAgVldTiThd_mS_u32	65
k_SysKinRatio_MtrDegpHwDeg_f32	53.5
k_TravelXCDeadband_Uls_f32	68.2699966
k_TravelXCHwAuthority_Uls_f32	0.135450006
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2242866176
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-824
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1427.65002
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.5999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.410004
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1454.77002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-583.669983
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	156.960007

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	858.374023	858.374023	✔
VehDyn_MinOffset_HwDeg_M_f32	630.77002	630.77002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8965578	13.8965578 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088	3437401088	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.5	0.5 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	145.22998	145.229996 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.107 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	44.4000015
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.399994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000855999999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000855999999
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
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186.399994
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000644000014
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000280000007
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

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	88.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.39999998e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000855999999
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	883.333984
VehDyn_MinOffset_HwDeg_M_f32	-750.702026
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000425000006
VehDyn_SLPHwAuth_Uls_M_f32	0.657999992
VehDyn_SLPHwPos_HwDeg_M_f32	-532.369995
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031
k_TravelXCDeadband_Uls_f32	63.1199989
k_TravelXCHwAuthority_Uls_f32	0.141574994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3345084416
target_GetSystemTime_mS_u32_CurrentTime	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-793.369995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1399.80505
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.5999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	731.700012
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-532.369995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.98999

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1736795392	1736795392	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1736795392	1736795392	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1399.80505	1399.80505	✔
VehDyn_MinOffset_HwDeg_M_f32	-793.369995	-793.369995	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59961939	7.59961939 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.657999992	0.657999992 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	199.330017	199.330002 ± 0.1	✔

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

Test Step 2.108 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	96.0999985	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000858000014	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100.199997	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43190	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3186	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000645999971	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000284000009	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	94.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.42000014e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	888.325989
VehDyn_MinOffset_HwDeg_M_f32	-744.018005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000426000013
VehDyn_SLPHwAuth_Uls_M_f32	0.675000012
VehDyn_SLPHwPos_HwDeg_M_f32	-522.109985
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	62.0900002
k_TravelXCHwAuthority_Uls_f32	0.142800003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2704864000
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-787.109985
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1394.23596
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-968.400024
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-522.109985
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	452.359985

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1394.23596	1394.23596	✔
VehDyn_MinOffset_HwDeg_M_f32	-787.109985	-787.109985	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50222075	1.50222075 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-167.540039	-167.539993 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.109 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
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
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
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	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000647999987

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00028800001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	126.300003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	123.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.44000029e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-700.950012
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	893.317993
VehDyn_MinOffset_HwDeg_M_f32	-737.333984
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000426999992
VehDyn_SLPHwAuth_Uls_M_f32	0.691999972
VehDyn_SLPHwPos_HwDeg_M_f32	-511.850006
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	703
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TravelXCDeadband_Uls_f32	61.0600014
k_TravelXCHwAuthority_Uls_f32	0.144024998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	662694400
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-780.849976
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1388.66699
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.98999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	49.4199982
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-511.850006
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	423.769989

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5	448.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	893.317993	893.317993	✔
VehDyn_MinOffset_HwDeg_M_f32	-737.333984	-737.333984	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59626269	-1.59626257 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.691999972	0.691999972 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-462.429993	-462.429993 ± 0.1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.199997
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	78.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3277

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000292000012
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	125.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.45999971e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-898.309998
VehDyn_MinOffset_HwDeg_M_f32	-730.650024
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000427999999
VehDyn_SLPHwAuth_Uls_M_f32	0.708999991
VehDyn_SLPHwPos_HwDeg_M_f32	-501.589996
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.5
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	52.4000015
k_TravelXCDeadband_Uls_f32	60.0299988
k_TravelXCHwAuthority_Uls_f32	0.145249993
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2303132928
target_GetSystemTime_mS_u32_CurrentTime	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-774.590027
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1383.09802
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.19999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-559.150024
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-501.589996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	62.1100006

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	463842816	463842816	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-898.309998	-898.309998	✔
VehDyn_MinOffset_HwDeg_M_f32	-215.440002	-215.440002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7905388	-14.7905378 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.708999991	0.708999991 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1060.73999	-1060.73999 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.111 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	66.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000867999974
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000867999974
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	88.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000652000017
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000296000013
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.399994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	32.4000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.47999987e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	1000
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004
k_TravelXCDeadband_Uls_f32	59
k_TravelXCHwAuthority_Uls_f32	0.146475002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4129141760
target_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-768.330017
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1377.52905
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	114.599998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	933.469971
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-491.329987
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.75

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1377.52905	1377.52905	✔
VehDyn_MinOffset_HwDeg_M_f32	-768.330017	-768.330017	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7951984	17.7951984 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1434.59998	1434.59998 ± 0.1	✔

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

Test Step 2.112 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.2999992	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.300003	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.2999992	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000869999989	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000869999989	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	94.5	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.1999998
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000653999974
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000300000014
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	124.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	8366
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	51002
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.50000002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-401.220001
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	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
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	0.100000001
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	20045
k_SysKinRatio_MtrDegpHwDeg_f32	25.2999992
k_TravelXCDeadband_Uls_f32	57.9700012
k_TravelXCHwAuthority_Uls_f32	0.147699997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2836768512
target_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_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	-762.070007
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1371.95996
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.5999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.09998
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1144.59998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-481.070007

Name	Input Value		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56.6599998		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1371.95996	1371.95996	✔
VehDyn_MinOffset_HwDeg_M_f32	-762.070007	-762.070007	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.9935894	-6.9935894 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.100000001	0.100000001 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

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

Test Step 2.113 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000872000004	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000872000004	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000655999989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000303999986
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.400002
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.52000017e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-301.309998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	913.286011
VehDyn_MinOffset_HwDeg_M_f32	-710.598022
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000430999993
VehDyn_SLPHwAuth_Uls_M_f32	0.75999999
VehDyn_SLPHwPos_HwDeg_M_f32	-470.809998
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	951
k_SysKinRatio_MtrDegpHwDeg_f32	75.5
k_TravelXCDeadband_Uls_f32	56.9399986
k_TravelXCHwAuthority_Uls_f32	0.148925006
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
target_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-755.809998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1366.39099
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	91.0800018

Name	Input Value
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-470.809998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.110001

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	913.286011	913.286011	✔
VehDyn_MinOffset_HwDeg_M_f32	-710.598022	-710.598022	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59597659	-1.59597659 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	392.390015	392.390015 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.114 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000874000019
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000874000019
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	126.199997
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000658000004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000307999988
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	84.1999969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	3658
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	5853
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.54000032e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-201.399994
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-918.278015
VehDyn_MinOffset_HwDeg_M_f32	-703.914001
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000432000001
VehDyn_SLPHwAuth_Uls_M_f32	0.77700001
VehDyn_SLPHwPos_HwDeg_M_f32	-460.549988
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	4856
k_SysKinRatio_MtrDegpHwDeg_f32	86.0999985
k_TravelXCDeadband_Uls_f32	55.9099998
k_TravelXCHwAuthority_Uls_f32	0.150150001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2478427648
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-749.549988

Name	Input Value
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1360.82202
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.880005
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1576.71997
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-460.549988
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.4500008

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_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	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-918.278015	-918.278015	✔
VehDyn_MinOffset_HwDeg_M_f32	-703.914001	-703.914001	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30075073	6.30075026 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.77700001	0.77700001 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1116.16992	1116.17004 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.115 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.199997
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1347.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1347.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1347.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00066000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1347.40002
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	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1347.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.55999975e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1347.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	923.27002
VehDyn_MinOffset_HwDeg_M_f32	-697.22998
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000433000008
VehDyn_SLPHwAuth_Uls_M_f32	0.79400003
VehDyn_SLPHwPos_HwDeg_M_f32	-450.290009
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	90
k_SysKinRatio_MtrDegpHwDeg_f32	56.0999985
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-743.289978
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1355.25305
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.19999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1347.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-450.290009
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-5.4000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.9799995

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1347.40002	1347.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1347.40002	1347.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1347.40002	1347.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1347.40002	1347.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1347.40002	1347.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1347.40002	1347.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1355.25305	1355.25305	✔
VehDyn_MinOffset_HwDeg_M_f32	-743.289978	-743.289978	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1969271	15.1969271 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1448.89001	1448.89001 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.116 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	66.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000661999977
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000315999991
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_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	255468
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.5799999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-928.262024
VehDyn_MinOffset_HwDeg_M_f32	-690.546021
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000433999987
VehDyn_SLPHwAuth_Uls_M_f32	0.81099999
VehDyn_SLPHwPos_HwDeg_M_f32	-440.029999
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	54.4000015
k_TravelXCDeadband_Uls_f32	53.8499985
k_TravelXCHwAuthority_Uls_f32	0.152600005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3368466432
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-737.030029
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1349.68396
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.39999962
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.5500031
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	355.5
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-440.029999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128.880005

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_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	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	357.079987	357.079987 ± 0.1	✔

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

Test Step 2.117 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.2999992	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000864000001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000864000001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000663999992
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000319999992
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.2200012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.2200012
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.2200003
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.2200012
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.60000005e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000864000001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	933.254028
VehDyn_MinOffset_HwDeg_M_f32	-683.862
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000434999994
VehDyn_SLPHwAuth_Uls_M_f32	0.828000009
VehDyn_SLPHwPos_HwDeg_M_f32	-429.769989
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	456
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-730.77002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1344.11499
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.60000038
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	995.5
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-429.769989
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	139.330002

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680	3039943680	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_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	3589476707	3589476707	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918	164464918	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5	995.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	348.61499	348.61499	✔
VehDyn_MinOffset_HwDeg_M_f32	-683.862	-683.862	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89987659	8.89987755 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	897.169983	897.169983 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.118 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn

Name	Input Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.29999995
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000866000017
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000866000017
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	71
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000666000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000323999993
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	75.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	18.2999992
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.6200002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000866000017
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	198.240005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	938.245972
VehDyn_MinOffset_HwDeg_M_f32	-677.177979
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000436000002
VehDyn_SLPHwAuth_Uls_M_f32	0.845000029
VehDyn_SLPHwPos_HwDeg_M_f32	-419.51001
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728
k_HiSpdVDAuthority_Uls_f32	0.300000012
k_HwTqMgnThd_HwNm_f32	7.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	3229
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	51.7900009
k_TravelXCHwAuthority_Uls_f32	0.155049995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	625668608
target_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-724.51001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1338.54602
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-880.02002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-419.51001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.440002

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	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_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	938.245972	938.245972	✔
VehDyn_MinOffset_HwDeg_M_f32	155.51001	155.509995	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.897769	13.897769 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728	309385728	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1078.26001	-1078.26001 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.119 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000867999974
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000867999974
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000668000022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000327999995
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.4000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	255468
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.64000036e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000867999974
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	943.237976
VehDyn_MinOffset_HwDeg_M_f32	-670.494019
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00043700001
VehDyn_SLPHwAuth_Uls_M_f32	0.861999989
VehDyn_SLPHwPos_HwDeg_M_f32	-409.25
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	0.400000006
k_HwTqMgnThd_HwNm_f32	8.10000038
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TravelXCDeadband_Uls_f32	50.7599983
k_TravelXCHwAuthority_Uls_f32	0.156275004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1711664384

Name	Input Value
target_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-718.25
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1332.97705
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1454.77002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-409.25
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.850006

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	255468	255468	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1332.97705	1332.97705	✔
VehDyn_MinOffset_HwDeg_M_f32	-718.25	-718.25	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80058718	7.80058718 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.120 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49475
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	38708
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000869999989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000869999989
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000669999979
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000331999996
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.1999969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005
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	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.65999978e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000869999989
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	398.059998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	948.22998
VehDyn_MinOffset_HwDeg_M_f32	-663.809998
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000437999988
VehDyn_SLPHwAuth_Uls_M_f32	0.879000008
VehDyn_SLPHwPos_HwDeg_M_f32	-398.98999
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	0.5
k_HwTqMgnThd_HwNm_f32	9.10000038
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	16445
k_SysKinRatio_MtrDegpHwDeg_f32	52.0999985

Name	Input Value
k_TravelXCDeadband_Uls_f32	49.7299995
k_TravelXCHwAuthority_Uls_f32	0.157499999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1568734208
target_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-711.98999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1327.40796
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.19999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.109985
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	267.709991
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-398.98999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.769989

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_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	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432	954802432	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_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	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
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	1327.40796	1327.40796	✔
VehDyn_MinOffset_HwDeg_M_f32	-711.98999	-711.98999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20256662	3.20256662 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-130.350006	-130.350006 ± 0.1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
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	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000872000004
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000872000004
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	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	-293.049988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000671999995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
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	4.0999999
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
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	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.67999993e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
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_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	497.970001
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1

Name	Input Value
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-953.221985
VehDyn_MinOffset_HwDeg_M_f32	-657.125977
VehDyn_PinTrqSV_M_str.SV_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32	0.200000003
k_HwTqMgnThd_HwNm_f32	0.119999997
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	32
k_SysKinRatio_MtrDegpHwDeg_f32	41.5400009
k_TravelXCDeadband_Uls_f32	48.7000008
k_TravelXCHwAuthority_Uls_f32	0.158724993
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4195077888
target_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	954802432
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_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	-705.72998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1321.83899
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.39999962
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-293.049988
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-388.730011
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	383750110	383750110	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	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	-412.679993	-412.679993	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39348936	-5.39348888 ± 0.000009	✔

Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-791.02002	-791.02002 ± 0.1	✔

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

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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	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	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000874000019
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997
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
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	-174.199997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00067400001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000339999999
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	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	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.70000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997
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_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	597.880005

Name	Input Value
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	958.213989
VehDyn_MinOffset_HwDeg_M_f32	-650.442017
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000440000003
VehDyn_SLPHwAuth_Uls_M_f32	0.912999988
VehDyn_SLPHwPos_HwDeg_M_f32	-378.470001
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.44999981
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	4891
k_SysKinRatio_MtrDegpHwDeg_f32	63.5
k_TravelXCDeadband_Uls_f32	47.6699982
k_TravelXCHwAuthority_Uls_f32	0.159950003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-174.199997
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-378.470001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.980011

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_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	-174.199997	-174.199997 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	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	958.213989	958.213989	✔

Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	-525.269958	-525.27002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.60091877	7.60091877 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-772.080017	-772.080017 ± 0.1	✔

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

Test Step 2.123 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	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	2345892860	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000875999976	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000875999976	
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	2345892860	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000676000025	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	
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	2345892860	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.72000024e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000875999976	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	697.789978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_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_Uls_f32	0.000441000011
VehDyn_SLPHwAuth_Uls_M_f32	0.930000007
VehDyn_SLPHwPos_HwDeg_M_f32	-368.209991
VehDyn_SrlHwAgVldTimer_mS_M_u32	123
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	91986
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	123
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-693.210022
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1310.70105
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-475.299988
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-368.209991
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.050003

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 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_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1310.70105	1310.70105	✔
VehDyn_MinOffset_HwDeg_M_f32	-693.210022	-693.210022	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50363731	1.50363731 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	123	123	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1173.08997	-1173.08997 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.124 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	211.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.5	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.5	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000877999992	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.1999969	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18.2000008	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.5	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000677999982	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000348000001	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.5	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.5	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715	
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	-157.490005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.73999966e-005	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	797.700012
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_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00044199999
VehDyn_SLPHwAuth_Uls_M_f32	0.947000027
VehDyn_SLPHwPos_HwDeg_M_f32	-357.950012
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477
k_HiSpdVDAuthority_Uls_f32	0.5
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	12
k_SysKinRatio_MtrDegpHwDeg_f32	75.4000015
k_TravelXCDeadband_Uls_f32	45.6100006
k_TravelXCHwAuthority_Uls_f32	0.162400007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104
target_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	5477
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-686.950012
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1305.13196
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.10000002
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.440002
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-157.490005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-357.950012
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.039993

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1305.13196	1305.13196	✔
VehDyn_MinOffset_HwDeg_M_f32	-686.950012	-686.950012	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59980774	-1.59980774 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477	5477	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.947000027	0.947000027 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-515.440002	-515.440002 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.125 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000874000019
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000874000019
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	126.199997
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2000008
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000658000004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000307999988
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	84.1999969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	3658
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	5853

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.54000032e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-201.399994
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-918.278015
VehDyn_MinOffset_HwDeg_M_f32	-703.914001
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000432000001
VehDyn_SLPHwAuth_Uls_M_f32	0.77700001
VehDyn_SLPHwPos_HwDeg_M_f32	-460.549988
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	4856
k_SysKinRatio_MtrDegpHwDeg_f32	86.0999985
k_TravelXCDeadband_Uls_f32	55.9099998
k_TravelXCHwAuthority_Uls_f32	0.150150001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2478427648
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-749.549988
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1360.82202
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.880005
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1576.71997
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-460.549988
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.4500008

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_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	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1576.71997	1576.71997 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-918.278015	-918.278015	✔
VehDyn_MinOffset_HwDeg_M_f32	-703.914001	-703.914001	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30075073	6.30075026 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.77700001	0.77700001 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1116.16992	1116.17004 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.126 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	146.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000882000022
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000882000022
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.20000005
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000682000013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000356000004
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.70000005
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.699997

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.6999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.6999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.77999997e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000882000022
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	978
VehDyn_MinOffset_HwDeg_M_f32	-623
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000444000005
VehDyn_SLPHwAuth_Uls_M_f32	0.981000006
VehDyn_SLPHwPos_HwDeg_M_f32	-337.429993
VehDyn_SrlHwAgVldTimer_mS_M_u32	1262472576
k_HiSpdVDAuthority_Uls_f32	0.800000012
k_HwTqMgnThd_HwNm_f32	9.19999981
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	65
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031
k_TravelXCDeadband_Uls_f32	43.5499992
k_TravelXCHwAuthority_Uls_f32	0.164849997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2059598336
target_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT|	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4178051584
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-674
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1293
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.70000005
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	969.01001
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-337.429993
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.459999

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1117112832	1117112832	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1117112832	1117112832	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	323.98999	323.98999	✓
VehDyn_MinOffset_HwDeg_M_f32	-623	-623	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79582453	7.79582405 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	1262472576	1262472576	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-337.429993	-337.429993 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.299988	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	123.300003	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.2999992	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000923999993	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	88.5	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.60000002	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.5	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000723999983	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00040000003	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	88.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.2999992
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.20000025e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1083.01404
VehDyn_MinOffset_HwDeg_M_f32	-483.34201
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046499999
VehDyn_SLPHwAuth_Uls_M_f32	0.617999971
VehDyn_SLPHwPos_HwDeg_M_f32	-121.970001
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	0.779999971
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	91986
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004
k_TravelXCDeadband_Uls_f32	21.9200001
k_TravelXCHwAuthority_Uls_f32	0.190575004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088
target_GetSystemTime_mS_u32_CurrentTime	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_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	-542.969971
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1177.04504
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	459.209991
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-121.970001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.100006

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1736795392	1736795392	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1736795392	1736795392	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1177.04504	1177.04504	✔
VehDyn_MinOffset_HwDeg_M_f32	-542.969971	-542.969971	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7.00023937	-7.00023937 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.617999971	0.617999971 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	337.23999	337.23999 ± 0.1	✔

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

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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.5	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	34738	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000885999994	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000885999994	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
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	-913.679993	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000685999985	

Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000364000007		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	350.899994		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.899994		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.9000001		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.9000015		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.82000027e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000885999994		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	1197.33997		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	988.166016		
VehDyn_MinOffset_HwDeg_M_f32	-610.338013		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000445999991		
VehDyn_SLPHwAuth_Uls_M_f32	0.978999972		
VehDyn_SLPHwPos_HwDeg_M_f32	-316.910004		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2644937728		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	1.10000002		
k_LoSpdVDAuthority_Uls_f32	0.779999971		
k_SrlHwAgVldTiThd_mS_u32	1385		
k_SysKinRatio_MtrDegpHwDeg_f32	12.1000004		
k_TravelXCDeadband_Uls_f32	41.4900017		
k_TravelXCHwAuthority_Uls_f32	0.167300001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	569984000		
target_GetSystemTime_mS_u32_CurrentTime	3437401088		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2728878080		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2644937728		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-661.909973		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1282.85596		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.29999995		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-418.660004		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-913.679993		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-316.910004		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.9199982		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1282.85596	1282.85596	✔
VehDyn_MinOffset_HwDeg_M_f32	-661.909973	-661.909973	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39843702	-5.39843702 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2644937728	2644937728	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

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

Test Step 2.129 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	37799	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	41632	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00088800001	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00088800001	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	400.200012	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.1999998	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	13352	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	14442	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000688
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000368000008
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	400.600006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.5999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.8399997e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00088800001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-993.15802
VehDyn_MinOffset_HwDeg_M_f32	-603.653992
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000446999999
VehDyn_SLPHwAuth_Uls_M_f32	0.959999979
VehDyn_SLPHwPos_HwDeg_M_f32	-306.649994
VehDyn_SrlHwAgVldTimer_mS_M_u32	2212175616
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_Uls_f32	0.800000012
k_SrlHwAgVldTiThd_mS_u32	744
k_SysKinRatio_MtrDegpHwDeg_f32	53.0999985
k_TravelXCDeadband_Uls_f32	40.4599991
k_TravelXCHwAuthority_Uls_f32	0.168524995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3351443200
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2212175616
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-655.650024
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1277.28699
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.5999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-425
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	476.670013
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-306.649994
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	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-993.15802	-993.15802	✔
VehDyn_MinOffset_HwDeg_M_f32	-603.653992	-603.653992	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59548759	7.59548759 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2212175616	2212175616	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.959999979	0.959999979 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	170.02002	170.020004 ± 0.1	✔

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

Test Step 2.130 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.799988	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.800003	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.79999995	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000829999975	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000829999975	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	600.200012	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.4000015	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1999998	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.2000008	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000617999991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000228000004
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	539.099976
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.09999988e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000829999975
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	818.437988
VehDyn_MinOffset_HwDeg_M_f32	-837.593994
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000411999994
VehDyn_SLPHwAuth_Uls_M_f32	0.437000006
VehDyn_SLPHwPos_HwDeg_M_f32	-665.75
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32	0.899999976
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0.100000001
k_SrlHwAgVldTiThd_mS_u32	3229
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985
k_TravelXCDeadband_Uls_f32	76.5100021
k_TravelXCHwAuthority_Uls_f32	0.125650004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	54689
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-874.75
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1356.87
target_VehDyn_Per1_HwTorque_HwNm_f32.value	4
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.5400009
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-275.019989
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-665.75
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.869995

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	818.437988	818.437988	✔
VehDyn_MinOffset_HwDeg_M_f32	-599.72998	-599.72998	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59766078	-1.59766078 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1272.54004	-1272.54004 ± 0.1	✔

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

Test Step 2.131 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.5	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	67.5	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	3658	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	5853	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000891999982	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000891999982	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	200.199997	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000691999972
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000376000011
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	200.600006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.5999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.88e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000891999982
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1497.06995
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1003.14203
VehDyn_MinOffset_HwDeg_M_f32	-590.286011
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000449000014
VehDyn_SLPHwAuth_Uls_M_f32	0.921999991
VehDyn_SLPHwPos_HwDeg_M_f32	-286.130005
VehDyn_SrlHwAgVldTimer_mS_M_u32	800969984
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	0.777999997
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	38.4000015
k_TravelXCHwAuthority_Uls_f32	0.170975
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1975593216
target_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	5477
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	800969984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-643.130005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1266.14905
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.20000005
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-753.880005
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1377.90002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-286.130005

Name	Input Value		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	139.990005		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1266.14905	1266.14905	✓
VehDyn_MinOffset_HwDeg_M_f32	-643.130005	-643.130005	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60068214	-1.60068214 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	800969984	800969984	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.921999991	0.921999991 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

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

Test Step 2.132 (Repeat Count = 1)		✓
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.5	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.5	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	23667	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000893999997	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000893999997	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	457
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	136.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000693999988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000380000012
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	457.899994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196.899994
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.9000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.9000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.90000015e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000893999997
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1596.97998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1008.13397
VehDyn_MinOffset_HwDeg_M_f32	-583.60199
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000449999992
VehDyn_SLPHwAuth_Uls_M_f32	0.902999997
VehDyn_SLPHwPos_HwDeg_M_f32	-275.869995
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	45.0999985
k_TravelXCDeadband_Uls_f32	37.3699989
k_TravelXCHwAuthority_Uls_f32	0.172199994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	910116864
target_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	89
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-636.869995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1260.57996
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.77002
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1380.59998

Name	Input Value		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-275.869995		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	3.20000005		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.450012		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1260.57996	1260.57996	✔
VehDyn_MinOffset_HwDeg_M_f32	-636.869995	-636.869995	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7948837	-14.7948828 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984	2659241984	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.902999997	0.902999997 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

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

Test Step 2.133 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.099976	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	49369	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000896000012	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002	

Name	Input Value
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	3589476707
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000696000003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002
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	3.29999995
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.92000031e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002
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_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1500.22998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	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
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	703
k_SysKinRatio_MtrDegpHwDeg_f32	78.4000015
k_TravelXCDeadband_Uls_f32	36.3400002
k_TravelXCHwAuthority_Uls_f32	0.173425004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	402713344
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4178051584
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-630.609985

Name	Input Value		
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	-759.549988		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	703.02002		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-265.609985		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-5.4000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_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	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.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	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	551.990967	551.991028	✔
VehDyn_MinOffset_HwDeg_M_f32	-576.91803	-576.91803	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.790226	17.7902279 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360	2942063360	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.134 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	18774
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	16088
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000898000028
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000898000028
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	539
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
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	829.530029
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000698000018
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000387999986
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	539.099976
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.93999973e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000898000028
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1400.31995
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1018.11798
VehDyn_MinOffset_HwDeg_M_f32	-570.234009
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000452000007
VehDyn_SLPHwAuth_Uls_M_f32	0.86500001
VehDyn_SLPHwPos_HwDeg_M_f32	-255.350006
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985
k_TravelXCDeadband_Uls_f32	35.3100014
k_TravelXCHwAuthority_Uls_f32	0.174649999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4178051584
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4077829376
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4077829376
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-624.349976
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1249.44202
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.0999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	829.530029
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-255.350006
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.019989

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	3796740682	3796740682	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
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	829.530029	829.530029 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
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	3796740682	3796740682	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	419.911987	419.911987	✓
VehDyn_MinOffset_HwDeg_M_f32	-570.234009	-570.234009	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99865341	-6.99865341 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376	4077829376	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.86500001	0.86500001 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	574.180054	574.179993 ± 0.1	✓

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

Test Step 2.135 (Repeat Count = 1)		✓
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.399994	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.39999962	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.4000015	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25496	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000899999985
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_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
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000699999975
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.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	109643620
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.95999988e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1300.41003
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1023.10999
VehDyn_MinOffset_HwDeg_M_f32	-563.549988
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000452999986
VehDyn_SLPHwAuth_Uls_M_f32	0.846000016
VehDyn_SLPHwPos_HwDeg_M_f32	-245.089996
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1000
k_SysKinRatio_MtrDegpHwDeg_f32	32.2999992
k_TravelXCDeadband_Uls_f32	34.2799988
k_TravelXCHwAuthority_Uls_f32	0.175874993
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4077829376
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2644937728
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_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	-618.090027
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1243.87305
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.840027
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1123.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-245.089996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.980011

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1243.87305	1243.87305	✔
VehDyn_MinOffset_HwDeg_M_f32	-618.090027	-618.090027	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29517412	6.29517412 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832	1117112832	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.846000016	0.846000016 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	878.310059	878.309998 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.136 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.10000038
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	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	100.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00071599998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000423999998
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.300003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.11999965e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1063.04602
VehDyn_MinOffset_HwDeg_M_f32	-510.078003
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000460999989
VehDyn_SLPHwAuth_Uls_M_f32	0.694000006
VehDyn_SLPHwPos_HwDeg_M_f32	-163.009995
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	96.4000015
k_TravelXCDeadband_Uls_f32	26.0400009
k_TravelXCHwAuthority_Uls_f32	0.185674995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360
target_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_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_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-568.01001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1199.32104
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8799973
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-6.48000002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-163.009995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.4399986

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	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	1199.32104	1199.32104	✔
VehDyn_MinOffset_HwDeg_M_f32	-568.01001	-568.01001	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60240626	-1.60240626 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	494.649994	494.649994 ± 0.1	✔

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

Test Step 2.137 (Repeat Count = 1)		✔
Name	**Input Value**
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.5

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	7.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000885999994
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000885999994
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
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	-913.679993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000685999985
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000364000007
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	350.899994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.899994
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.9000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.9000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.82000027e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000885999994
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1197.33997
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	988.166016
VehDyn_MinOffset_HwDeg_M_f32	-610.338013
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000445999991
VehDyn_SLPHwAuth_Uls_M_f32	0.978999972
VehDyn_SLPHwPos_HwDeg_M_f32	-316.910004
VehDyn_SrlHwAgVldTimer_mS_M_u32	2644937728
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0.779999971
k_SrlHwAgVldTiThd_mS_u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32	12.1000004
k_TravelXCDeadband_Uls_f32	41.4900017
k_TravelXCHwAuthority_Uls_f32	0.167300001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	569984000
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2644937728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-661.909973
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1282.85596
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.29999995
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-418.660004
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-913.679993
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-316.910004
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.9199982

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1282.85596	1282.85596	✔
VehDyn_MinOffset_HwDeg_M_f32	-661.909973	-661.909973	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39843702	-5.39843702 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2644937728	2644937728	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	211.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000877999992
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	18.2000008
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000677999982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000348000001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	54.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
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	-157.490005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.73999966e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000877999992
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	797.700012
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_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00044199999
VehDyn_SLPHwAuth_Uls_M_f32	0.947000027
VehDyn_SLPHwPos_HwDeg_M_f32	-357.950012
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477
k_HiSpdVDAuthority_Uls_f32	0.5
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	12
k_SysKinRatio_MtrDegpHwDeg_f32	75.4000015
k_TravelXCDeadband_Uls_f32	45.6100006
k_TravelXCHwAuthority_Uls_f32	0.162400007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104
target_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752

Name	Input Value
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	5477
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-686.950012
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1305.13196
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.10000002
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.440002
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-157.490005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-357.950012
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.039993

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1305.13196	1305.13196	✔
VehDyn_MinOffset_HwDeg_M_f32	-686.950012	-686.950012	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59980774	-1.59980774 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	5477	5477	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.947000027	0.947000027 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-515.440002	-515.440002 ± 0.1	✔

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

Test Step 2.139 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786
VehDyn_SLPHwAuth_Uls_M_f32	1
VehDyn_SLPHwPos_HwDeg_M_f32	1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	10
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	100000
k_SysKinRatio_MtrDegpHwDeg_f32	100

Name	Input Value
k_TravelXCDeadband_Uls_f32	100
k_TravelXCHwAuthority_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4294967295
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511

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

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

Test Step 2.140 (Repeat Count = 1)	✔
Name	**Input Value**
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.10000038
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	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	100.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00071599998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000423999998
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.300003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.11999965e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1063.04602
VehDyn_MinOffset_HwDeg_M_f32	-510.078003
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000460999989
VehDyn_SLPHwAuth_Uls_M_f32	0.694000006
VehDyn_SLPHwPos_HwDeg_M_f32	-163.009995
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	987

Name	Input Value
k_SysKinRatio_MtrDegpHwDeg_f32	96.4000015
k_TravelXCDeadband_Uls_f32	26.0400009
k_TravelXCHwAuthority_Uls_f32	0.185674995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360
target_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-568.01001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1199.32104
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8799973
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-6.48000002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-163.009995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.4399986

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	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	1199.32104	1199.32104	✔
VehDyn_MinOffset_HwDeg_M_f32	-568.01001	-568.01001	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60240626	-1.60240626 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	494.649994	494.649994 ± 0.1	✔

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

Test Step 2.141 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	66.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000661999977
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000315999991
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_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	255468
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.5799999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000861999986
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-928.262024
VehDyn_MinOffset_HwDeg_M_f32	-690.546021
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000433999987
VehDyn_SLPHwAuth_Uls_M_f32	0.81099999
VehDyn_SLPHwPos_HwDeg_M_f32	-440.029999
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.0999999
k_LoSpdVDAuthority_Uls_f32	0

Name	Input Value
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	54.4000015
k_TravelXCDeadband_Uls_f32	53.8499985
k_TravelXCHwAuthority_Uls_f32	0.152600005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3368466432
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-737.030029
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1349.68396
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.39999962
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.5500031
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	355.5
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-440.029999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128.880005

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5	355.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_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	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	357.079987	357.079987 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.142 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.25
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000913999975
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000913999975
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96.6999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.89999962
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000714000023
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000419999997
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	96.4000015
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	2345892860
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.10000022e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
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_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1

Name	Input Value
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1058.05396
VehDyn_MinOffset_HwDeg_M_f32	-516.762024
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046000001
VehDyn_SLPHwAuth_Uls_M_f32	0.713
VehDyn_SLPHwPos_HwDeg_M_f32	-173.270004
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832
k_HiSpdVDAuthority_Uls_f32	0.340000004
k_HwTqMgnThd_HwNm_f32	5.44999981
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	3229
k_SysKinRatio_MtrDegpHwDeg_f32	86.0999985
k_TravelXCDeadband_Uls_f32	27.0699997
k_TravelXCHwAuthority_Uls_f32	0.184450001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-574.27002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1204.89001
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.649994
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-10.3400002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-173.270004
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.7700005

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1058.05396	1058.05396	✔
VehDyn_MinOffset_HwDeg_M_f32	-516.762024	-516.762024	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49629378	1.49629378 ± 0.000009	✔

Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832	1117112832	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.713	0.713 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-183.610001	-183.610001 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.143 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.10000038
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	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	100.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00071599998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000423999998
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.300003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.11999965e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1

Name	Input Value
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1063.04602
VehDyn_MinOffset_HwDeg_M_f32	-510.078003
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000460999989
VehDyn_SLPHwAuth_Uls_M_f32	0.694000006
VehDyn_SLPHwPos_HwDeg_M_f32	-163.009995
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	96.4000015
k_TravelXCDeadband_Uls_f32	26.0400009
k_TravelXCHwAuthority_Uls_f32	0.185674995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360
target_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-568.01001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1199.32104
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8799973
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-6.48000002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-163.009995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.4399986

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_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	✔

Name	Actual Value	Expected Value	Result
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1199.32104	1199.32104	✔
VehDyn_MinOffset_HwDeg_M_f32	-568.01001	-568.01001	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60240626	-1.60240626 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	494.649994	494.649994 ± 0.1	✔

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

Test Step 2.144 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.599976	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.600006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.5999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.5999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000918000005	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.400002	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.80000019	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.0999985	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000717999996	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000427999999	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.099998	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.100006	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.4099998	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.0999985	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.1399998e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	
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	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-401.220001
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1068.03796
VehDyn_MinOffset_HwDeg_M_f32	-503.394012
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000461999996
VehDyn_SLPHwAuth_Uls_M_f32	0.675000012
VehDyn_SLPHwPos_HwDeg_M_f32	-152.75
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688
k_HiSpdVDAuthority_Uls_f32	0.670000017
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	16445
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TravelXCDeadband_Uls_f32	25.0100002
k_TravelXCHwAuthority_Uls_f32	0.186900005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832
target_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	-444.170013
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-152.75
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128.020004

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔

TEST DETAILS REPORT

VehDyn_Per1

Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1193.75195	1193.75195	✔
VehDyn_MinOffset_HwDeg_M_f32	-561.75	-561.75	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7963247	-14.7963247 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	✔
target_VehDyn_Per1SensorlessAuthority_Uls_f32.value	0.675000012	0.675000012 ± 0.004	✔
target_VehDyn_Per1SensorlessHwPos_HwDeg_f32.value	-596.920044	-596.919983 ± 0.1	✔

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

Test Step 2.145 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	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	3589476707	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	
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	126.400002	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	42.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	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	3589476707	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000720000011	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432000001	
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	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	3589476707	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.15999995e-005	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092000002
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-301.309998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	40.2000008
VehDyn_MinOffset_HwDeg_M_f32	-496.709991
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000463000004
VehDyn_SLPHwAuth_Uls_M_f32	0.656000018
VehDyn_SLPHwPos_HwDeg_M_f32	-142.490005
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	0.119999997
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	32
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031
k_TravelXCDeadband_Uls_f32	23.9799995
k_TravelXCHwAuthority_Uls_f32	0.188124999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-555.48999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1188.18298
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1146.91003
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-142.490005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.024994

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	40.2000008	40.2000008	✔
VehDyn_MinOffset_HwDeg_M_f32	-496.709991	-496.709991	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79298735	7.79298687 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.119999997	0.119999997 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.146 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	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	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
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
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.5
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	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000722000026
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
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	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.1800001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-201.399994
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1078.02197
VehDyn_MinOffset_HwDeg_M_f32	-490.026001
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000464000012
VehDyn_SLPHwAuth_Uls_M_f32	0.637000024
VehDyn_SLPHwPos_HwDeg_M_f32	-132.229996
VehDyn_SrlHwAgVldTimer_mS_M_u32	295229312
k_HiSpdVDAuthority_Uls_f32	0.75999999
k_HwTqMgnThd_HwNm_f32	9.19999981
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	4891
k_SysKinRatio_MtrDegpHwDeg_f32	52.5
k_TravelXCDeadband_Uls_f32	22.9500008
k_TravelXCHwAuthority_Uls_f32	0.189349994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1736795392
target_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-549.22998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1182.61401
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.69999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.990005
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1459.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-132.229996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	139.063995

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1117112832	1117112832	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1078.02197	1078.02197	✓
VehDyn_MinOffset_HwDeg_M_f32	910.170044	910.169983	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7880936	17.7880936 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	295229312	295229312	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1258	-1258 ± 0.1	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.147 (Repeat Count = 1) ✓

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.299988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	123.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	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	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	88.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.60000002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000723999983
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000440000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	88.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.2999992
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.20000025e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1083.01404
VehDyn_MinOffset_HwDeg_M_f32	-483.34201
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046499999
VehDyn_SLPHwAuth_Uls_M_f32	0.617999971
VehDyn_SLPHwPos_HwDeg_M_f32	-121.970001
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	0.779999971
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	91986
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004
k_TravelXCDeadband_Uls_f32	21.9200001
k_TravelXCHwAuthority_Uls_f32	0.190575004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088
target_GetSystemTime_mS_u32_CurrentTime	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_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	-542.969971
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1177.04504
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	459.209991
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-121.970001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.100006

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1736795392	1736795392	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1736795392	1736795392	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	459.209991	459.209991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1177.04504	1177.04504	✔
VehDyn_MinOffset_HwDeg_M_f32	-542.969971	-542.969971	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7.00023937	-7.00023937 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.617999971	0.617999971 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	337.23999	337.23999 ± 0.1	✔

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

Test Step 2.148 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	31.3600006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	125.300003	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.3000031	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000926000008	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000926000008	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	94.5	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246.399994	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.20000005	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41.0999985	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000725999998	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000444000005	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	94.4000015	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	18.3999996	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.21999968e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000926000008
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1088.00598
VehDyn_MinOffset_HwDeg_M_f32	-476.65799
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000465999998
VehDyn_SLPHwAuth_Uls_M_f32	0.598999977
VehDyn_SLPHwPos_HwDeg_M_f32	-111.709999
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192
k_HiSpdVDAuthority_Uls_f32	0.233999997
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	12
k_SysKinRatio_MtrDegpHwDeg_f32	25.1000004
k_TravelXCDeadband_Uls_f32	20.8899994
k_TravelXCHwAuthority_Uls_f32	0.191799998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3494315776
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_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	-536.710022
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1171.47595
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.30000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.740005
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1001.01001
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-111.709999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
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	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001 ± 0.009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1171.47595	1171.47595	✔
VehDyn_MinOffset_HwDeg_M_f32	-536.710022	-536.710022	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29330063	6.29330015 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1002.59003	1002.59003 ± 0.1	✔

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

Test Step 2.149 (Repeat Count = 1)		✔
Name	**Input Value**
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	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	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000928000023
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000928000023
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
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	126.400002
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	42.7999992
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.5
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	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000728000014
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000448000006
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

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	126.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.23999983e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000928000023
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1092.99805
VehDyn_MinOffset_HwDeg_M_f32	-469.973999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000467000005
VehDyn_SLPHwAuth_Uls_M_f32	0.579999983
VehDyn_SLPHwPos_HwDeg_M_f32	-101.449997
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	86.0999985
k_TravelXCDeadband_Uls_f32	19.8600006
k_TravelXCHwAuthority_Uls_f32	0.193024993
target_DtrmnElapsedTime_mS_u32_ElapsedTime	463842816
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-530.450012
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1165.90698
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.60000038
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1312.29004
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-101.449997
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5	448.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
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	3796740682	3796740682	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1092.99805	1092.99805	✔
VehDyn_MinOffset_HwDeg_M_f32	781.840027	781.840027	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.7923665	7.79236603 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.579999983	0.579999983 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1413.73999	-1413.73999 ± 0.1	✔

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

Test Step 2.150 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	124.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.5	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.5	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52716	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3796740682	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00092999998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	
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	124.400002	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.5999999	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.9000015	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000730000029	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000452000007	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.699997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.6999969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.69999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.6999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.25999998e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092999998
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	198.240005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1097
VehDyn_MinOffset_HwDeg_M_f32	-463
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000468000013
VehDyn_SLPHwAuth_Uls_M_f32	0.56099999
VehDyn_SLPHwPos_HwDeg_M_f32	-91.1900024
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.5
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	65
k_SysKinRatio_MtrDegpHwDeg_f32	56.2999992
k_TravelXCDeadband_Uls_f32	18.8299999
k_TravelXCHwAuthority_Uls_f32	0.194250003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_GetSystemTime_mS_u32_CurrentTime	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_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	-524
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1160
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-8.89999962
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1009.29999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1089
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-91.1900024
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	463842816	463842816	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	71	71	✔
VehDyn_MinOffset_HwDeg_M_f32	-463	-463	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19427657	3.19427657 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	890.76001	890.76001 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.151 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000931999995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.7000008
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000731999986

Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000456000009		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.700012		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.8000031		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.28000014e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000931999995		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1102.98206		
VehDyn_MinOffset_HwDeg_M_f32	-456.605988		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000468999991		
VehDyn_SLPHwAuth_Uls_M_f32	0.541999996		
VehDyn_SLPHwPos_HwDeg_M_f32	-80.9300003		
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	0.00120000006		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	112		
k_SysKinRatio_MtrDegpHwDeg_f32	54.5		
k_TravelXCDeadband_Uls_f32	17.7999992		
k_TravelXCHwAuthority_Uls_f32	0.195474997		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408		
target_GetSystemTime_mS_u32_CurrentTime	1759885568		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	-1503.19995		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-80.9300003		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995		
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_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1154.76904	1154.76904	✔
VehDyn_MinOffset_HwDeg_M_f32	-517.929993	-517.929993	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40177107	-5.40177107 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

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

Test Step 2.152 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.099976	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.0999985	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	38708	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	240.300003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000934000011	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	75.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.7999992	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.8000031	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188	

Name	Input Value
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	240.300003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000734000001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003
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	566.799988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.6999969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.69999981
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	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	240.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.30000029e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000934000011
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	398.059998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1107.974
VehDyn_MinOffset_HwDeg_M_f32	-449.921997
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000469999999
VehDyn_SLPHwAuth_Uls_M_f32	0.523000002
VehDyn_SLPHwPos_HwDeg_M_f32	-70.6699982
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985
k_TravelXCDeadband_Uls_f32	16.7700005
k_TravelXCHwAuthority_Uls_f32	0.196700007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208
target_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-511.670013
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1149.19995
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.409973
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	240.300003
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-70.6699982
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	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	240.300003	240.300003 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003	240.300003 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	240.300003	240.300003 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003	240.300003 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	240.300003	240.300003 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003	240.300003 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1149.19995	1149.19995	✔
VehDyn_MinOffset_HwDeg_M_f32	-511.670013	-511.670013	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59202671	7.59202719 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728	309385728	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-157.759995	-157.759995 ± 0.1	✔

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

Test Step 2.153 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.5	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.5	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-692.390015	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000936000026	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.200012	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.7999992	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.8000031	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-692.390015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000736000016
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000464000012
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.899994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.8000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-692.390015
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.31999971e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000936000026
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	497.970001
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1112.96594
VehDyn_MinOffset_HwDeg_M_f32	-443.238007
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000471000007
VehDyn_SLPHwAuth_Uls_M_f32	0.504000008
VehDyn_SLPHwPos_HwDeg_M_f32	-60.4099998
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	744
k_SysKinRatio_MtrDegpHwDeg_f32	54.0999985
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-505.410004
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1143.63098
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-692.390015
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-60.4099998
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

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-692.390015	-692.390015 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015	-692.390015 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-692.390015	-692.390015 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015	-692.390015 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-692.390015	-692.390015 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015	-692.390015 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1112.96594	1112.96594	✔
VehDyn_MinOffset_HwDeg_M_f32	186.980011	186.979996	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.40206099	-5.40206099 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984	2659241984	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1190.35999	-1190.35999 ± 0.1	✔

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

Test Step 2.154 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.4000015	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000937999983	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000937999983	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.1999969	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.6999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000737999973
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000468000013
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
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	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.33999987e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000937999983
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	597.880005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1117.95801
VehDyn_MinOffset_HwDeg_M_f32	-436.553986
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000472000014
VehDyn_SLPHwAuth_Uls_M_f32	0.485000014
VehDyn_SLPHwPos_HwDeg_M_f32	-50.1500015
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	700
k_SysKinRatio_MtrDegpHwDeg_f32	63.5
k_TravelXCDeadband_Uls_f32	14.71
k_TravelXCHwAuthority_Uls_f32	0.199149996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-499.149994
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1138.06201
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.359985
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1385.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-50.1500015
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0

Name	Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2127166208	2127166208	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1117.95801	1117.95801	✔
VehDyn_MinOffset_HwDeg_M_f32	886.25	886.25	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49718106	1.49718106 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360	2942063360	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.155 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000939999998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000939999998
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.1700001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.7999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000739999989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000472000014
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.3000002
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.36000002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000939999998
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	697.789978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1122.94995
VehDyn_MinOffset_HwDeg_M_f32	-429.869995
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000472999993
VehDyn_SLPHwAuth_Uls_M_f32	0.465999991
VehDyn_SLPHwPos_HwDeg_M_f32	-39.8899994
VehDyn_SrlHwAgVldTimer_mS_M_u32	562716928
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	88.3000031
k_TravelXCDeadband_Uls_f32	13.6800003
k_TravelXCHwAuthority_Uls_f32	0.200375006
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-492.890015
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1132.49304
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	118.300003
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1036.69995

Name	Input Value
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-39.8899994
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4243378688	4243378688	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1132.49304	1132.49304	✔
VehDyn_MinOffset_HwDeg_M_f32	-492.890015	-492.890015	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60021544	-1.60021544 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	562716928	562716928	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.156 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.39999962	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	18.3999996	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.3999996	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.4000015	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	255468	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000942000013	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000942000013
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.06999969
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000742000004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000475999987
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.099998
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.38000017e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000942000013
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	797.700012
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1127.94202
VehDyn_MinOffset_HwDeg_M_f32	-423.186005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000474
VehDyn_SLPHwAuth_Uls_M_f32	0.446999997
VehDyn_SLPHwPos_HwDeg_M_f32	-29.6299992
VehDyn_SrlHwAgVldTimer_mS_M_u32	1250412672
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985
k_TravelXCDeadband_Uls_f32	12.6499996
k_TravelXCHwAuthority_Uls_f32	0.2016
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3039943680
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	954802432
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1736795392
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_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	-486.630005

Name	Input Value		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1126.92395		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.04999		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1307.94995		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-29.6299992		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.73999		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	255468	255468	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1126.92395	1126.92395	✓
VehDyn_MinOffset_HwDeg_M_f32	-486.630005	-486.630005	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7906246	-14.7906246 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	1250412672	1250412672	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	510.249939	510.25 ± 0.1	✓

Test Step Call Trace				✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.157 (Repeat Count = 1)		✓

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.4000015
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.47000003
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.3999996
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000944000029
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	129
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.80000019
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000744000019
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000479999988
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.40000032e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	897.609985
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1132.93396
VehDyn_MinOffset_HwDeg_M_f32	-416.502014
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000475000008
VehDyn_SLPHwAuth_Uls_M_f32	0.428000003
VehDyn_SLPHwPos_HwDeg_M_f32	-19.3700008
VehDyn_SrlHwAgVldTimer_mS_M_u32	1529874944
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	703
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-480.369995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1121.35498
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.55999994
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-893.640015
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-19.3700008
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680	3039943680	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918	164464918	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918	164464918	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1132.93396	1132.93396	✔
VehDyn_MinOffset_HwDeg_M_f32	413.27002	413.269989	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7943058	17.7943077 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1529874944	1529874944	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-19.3700008	-19.3700008 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.158 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.02002
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49475

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000945999986
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000945999986
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadS_f32	75.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.8000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.0300007
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.9000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000745999976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000483999989
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadS_f32	75.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.399994
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.41999975e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000945999986
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1137.92603
VehDyn_MinOffset_HwDeg_M_f32	-409.817993
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000475999987
VehDyn_SLPHwAuth_Uls_M_f32	0.409000009
VehDyn_SLPHwPos_HwDeg_M_f32	-9.10999966
VehDyn_SrlHwAgVldTimer_mS_M_u32	889019776
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	7.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	52.2999992
k_TravelXCDeadband_Uls_f32	10.5900002
k_TravelXCHwAuthority_Uls_f32	0.204050004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192
target_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_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	-474.109985
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1115.78601
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.11999989
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.8700027
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	616.409973
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-9.10999966
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.450012

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216	219286216	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_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	616.409973	616.409973 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_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	499.376038	499.376007	✔
VehDyn_MinOffset_HwDeg_M_f32	-409.817993	-409.817993	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99383116	-6.99383116 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	889019776	889019776	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-9.10999966	-9.10999966 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.159 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.100006	

Name	Input Value
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	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	255468
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000948000001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000948000001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	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
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.04
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000487999991
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4399999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000948000001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1097.43005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1142.91797
VehDyn_MinOffset_HwDeg_M_f32	-403.134003
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000476999994
VehDyn_SLPHwAuth_Uls_M_f32	0.389999986
VehDyn_SLPHwPos_HwDeg_M_f32	1.14999998
VehDyn_SrlHwAgVldTimer_mS_M_u32	751082240
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	8.10000038
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1000
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	463842816
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-467.850006
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1110.21704
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.67999983
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.4400024
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-833.309998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1.14999998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	255468	255468	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1110.21704	1110.21704	✔
VehDyn_MinOffset_HwDeg_M_f32	-467.850006	-467.850006	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30041265	6.30041265 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	751082240	751082240	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.160 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	31.2999992
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.3000031
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.30000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.2999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000950000016
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000950000016
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.5999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.0500002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000750000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000492000021
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.5999985
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	328928812
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.46000005e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000950000016
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1197.33997
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_Uls_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000478000002
VehDyn_SLPHwAuth_Uls_M_f32	0.370999992
VehDyn_SLPHwPos_HwDeg_M_f32	11.4099998
VehDyn_SrlHwAgVldTimer_mS_M_u32	108313216
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	9.10000038
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	20045
k_SysKinRatio_MtrDegpHwDeg_f32	25.2999992
k_TravelXCDeadband_Uls_f32	8.52999973
k_TravelXCHwAuthority_Uls_f32	0.206499994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2728878080
target_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2659241984

Name	Input Value
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-461.589996
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1104.64795
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.23999977
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1124.05005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	11.4099998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	75

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432	954802432	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812	328928812	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
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	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	108313216	108313216	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.370999992	0.370999992 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1112.64001	-1112.64001 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.161 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.299988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.2999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000951999973
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003
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	34.2999992
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.8000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.0500002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000752000022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000495999993
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4800002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1152.90198
VehDyn_MinOffset_HwDeg_M_f32	-389.765991
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000479000009
VehDyn_SLPHwAuth_Uls_M_f32	0.351999998
VehDyn_SLPHwPos_HwDeg_M_f32	21.6700001
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	0.119999997
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	951
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031
k_TravelXCDeadband_Uls_f32	7.5
k_TravelXCHwAuthority_Uls_f32	0.207725003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752

Name	Input Value
target_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2942063360
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-455.329987
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1099.07898
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.440002
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-136.300003
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	21.6700001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.9639969

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1152.90198	1152.90198	✔
VehDyn_MinOffset_HwDeg_M_f32	-319.029968	-319.029999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.997057	13.997057 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408	1662097408	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

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

Test Step 2.162 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.600006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.5999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.5999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159.300003
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.8000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1397.16003
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1157.89404
VehDyn_MinOffset_HwDeg_M_f32	12.3000002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989
VehDyn_SLPHwAuth_Uls_M_f32	0.333000004
VehDyn_SLPHwPos_HwDeg_M_f32	31.9300003
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	0.899999976
k_HwTqMgnThd_HwNm_f32	5.44999981
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	4856
k_SysKinRatio_MtrDegpHwDeg_f32	63.2000008

Name	Input Value
k_TravelXCDeadband_Uls_f32	6.46999979
k_TravelXCHwAuthority_Uls_f32	0.208949998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-449.070007
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1093.51001
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.35999966
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-444.839996
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	31.9300003
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_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	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-1157.89404	-1157.89404	✔
VehDyn_MinOffset_HwDeg_M_f32	12.3000002	12.3000002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50328505	1.50328505 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.163 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.099976
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	85.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000953999988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005
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	-480.880005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000753999979
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005
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	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.20000005
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.19999981
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	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.50000036e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005
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_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1497.06995
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	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
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	90

Name	Input Value
k_SysKinRatio_MtrDegpHwDeg_f32	56.0999985
k_TravelXCDeadband_Uls_f32	5.44000006
k_TravelXCHwAuthority_Uls_f32	0.210174993
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-442.809998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1087.94104
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.92000008
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-480.880005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	42.1899986
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	87

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_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	✔
VehDyn_SrlHwAgVldTimer_mS_u32	3039943680	3039943680	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.31400001	0.31400001 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-438.690002	-438.690002 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.164 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000956000003
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
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	116.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
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	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000755999994
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
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_lgc	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	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.51999978e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000956000003
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1596.97998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0

Name	Input Value
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1167.87805
VehDyn_MinOffset_HwDeg_M_f32	-369.713989
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000480999995
VehDyn_SLPHwAuth_Uls_M_f32	0.294999987
VehDyn_SLPHwPos_HwDeg_M_f32	52.4500008
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	54.0999985
k_TravelXCDeadband_Uls_f32	4.40999985
k_TravelXCHwAuthority_Uls_f32	0.211400002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_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	-436.549988
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1082.37195
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.47999954
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	710.950012
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	52.4500008
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.79999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127.450996

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✔
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	✔

Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-886.029968	-886.030029 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.165 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.4000015
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.3000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	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	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0

Name	Input Value
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1500.22998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1172.87
VehDyn_MinOffset_HwDeg_M_f32	-363.029999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989
VehDyn_SLPHwAuth_Uls_M_f32	0.275999993
VehDyn_SLPHwPos_HwDeg_M_f32	62.7099991
VehDyn_SrlHwAgVldTimer_mS_M_u32	185613824
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	0.899999976
k_SrlHwAgVldTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	63.3199997
k_TravelXCDeadband_Uls_f32	3.38000011
k_TravelXCHwAuthority_Uls_f32	0.212624997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	123
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.290009
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1076.80298
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.11000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-714.090027
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	62.7099991
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔

TEST DETAILS REPORT

VehDyn_Per1

Name	Actual Value	Expected Value	Result
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1172.87	1172.87	✔
VehDyn_MinOffset_HwDeg_M_f32	283.800018	283.799988	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49870157	1.49870157 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	185613824	185613824	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	786.139954	786.140015 ± 0.1	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.166 (Repeat Count = 1)   ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000958000019
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000958000019
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.7999992
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.4499969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000758000009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	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	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53999993e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000958000019

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1400.31995
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1177.86206
VehDyn_MinOffset_HwDeg_M_f32	-369.75
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000482000003
VehDyn_SLPHwAuth_Uls_M_f32	0.256999999
VehDyn_SLPHwPos_HwDeg_M_f32	72.9700012
VehDyn_SrlHwAgVldTimer_mS_M_u32	2085618048
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	9.19999981
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	3229
k_SysKinRatio_MtrDegpHwDeg_f32	54.2999992
k_TravelXCDeadband_Uls_f32	2.3499999
k_TravelXCHwAuthority_Uls_f32	0.213850006
target_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624
target_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	54689
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-424.029999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1071.23401
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.22000003
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.109985
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	110.5
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	72.9700012
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.220001

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	960.734009	960.734009	✔
VehDyn_MinOffset_HwDeg_M_f32	-369.75	-369.75	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39797401	-5.39797354 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2085618048	2085618048	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1510.81995	1510.81995 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.167 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	38708
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000959999976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000959999976
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.799988
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	75.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000760000024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000511999999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_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	566.900024
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.9000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.89999962
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.9000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.56000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000959999976

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1300.41003
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1182.854
VehDyn_MinOffset_HwDeg_M_f32	-376.470001
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483000011
VehDyn_SLPHwAuth_Uls_M_f32	0.238000005
VehDyn_SLPHwPos_HwDeg_M_f32	83.2300034
VehDyn_SrlHwAgVldTimer_mS_M_u32	270987008
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985
k_TravelXCDeadband_Uls_f32	1.32000005
k_TravelXCHwAuthority_Uls_f32	0.215075001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312
target_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	7858
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-417.769989
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1065.66504
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.33000004
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.440002
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1014.73999
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	83.2300034
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.410004

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1065.66504	1065.66504	✔
VehDyn_MinOffset_HwDeg_M_f32	-417.769989	-417.769989	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59575272	7.59575272 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	270987008	270987008	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	285.670044	285.670013 ± 0.1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
Autocenter_f32	1	Autocenter_f32		1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32		1	✔
Autocenter_f32	1	Autocenter_f32		1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32		1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached		1	✔

Test Step 2.168 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.2999992	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.2999992	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.9000015	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258	
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	-284.299988	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.5	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.5	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1187.84595
VehDyn_MinOffset_HwDeg_M_f32	-383.190002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989
VehDyn_SLPHwAuth_Uls_M_f32	0.218999997
VehDyn_SLPHwPos_HwDeg_M_f32	93.4899979
VehDyn_SrlHwAgVldTimer_mS_M_u32	333
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	16445
k_SysKinRatio_MtrDegpHwDeg_f32	63.2000008
k_TravelXCDeadband_Uls_f32	2.8900001
k_TravelXCHwAuthority_Uls_f32	0.216299996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	333
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-411.51001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1060.09595
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.44000006
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-284.299988
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	93.4899979
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1060.09595	1060.09595	✔
VehDyn_MinOffset_HwDeg_M_f32	-411.51001	-411.51001	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49854183	1.49854183 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	333	333	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.218999997	0.218999997 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-190.809998	-190.809998 ± 0.1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.169 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.0999985	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000964000006	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000964000006	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45.7999992	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.3999996	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2999992	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000763999997	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000520000001	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.6000004	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.599998	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.6000004	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.5999985	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.59999966e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000964000006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1100.58997
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1192.83801
VehDyn_MinOffset_HwDeg_M_f32	-389.910004
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000484999997
VehDyn_SLPHwAuth_Uls_M_f32	0.200000003
VehDyn_SLPHwPos_HwDeg_M_f32	103.75
VehDyn_SrlHwAgVldTimer_mS_M_u32	12
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	32
k_SysKinRatio_MtrDegpHwDeg_f32	88.8000031
k_TravelXCDeadband_Uls_f32	4.46000004
k_TravelXCHwAuthority_Uls_f32	0.217525005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	12
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-405.25
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1054.52698
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.54999995
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	987.5
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1259.78003
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	103.75
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.641006

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-1192.83801	-1192.83801	✔
VehDyn_MinOffset_HwDeg_M_f32	-389.910004	-389.910004	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000253	-1.60000253 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	12	12	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔

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

Test Step 2.170 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.19999981
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	109643620
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1226.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000966000021
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1226.09998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000966000021
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56.7000008
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.8000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.80000019
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.6000004
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1226.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000766000012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1226.09998
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

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1226.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.61999981e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1226.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000966000021
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	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
VehDyn_SrlHwAgVldTimer_mS_M_u32	142869376
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.5
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	4891
k_SysKinRatio_MtrDegpHwDeg_f32	96.1999969
k_TravelXCDeadband_Uls_f32	6.03000021
k_TravelXCHwAuthority_Uls_f32	0.21875
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
target_GetSystemTime_mS_u32_CurrentTime	4164171008
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	89763
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-398.98999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1048.95801
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.65999997
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.04999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1226.09998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	114.010002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1226.09998	1226.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1226.09998	1226.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
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	1226.09998	1226.09998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1226.09998	1226.09998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1226.09998	1226.09998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1226.09998	1226.09998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-177.141968	-177.141998	✔
VehDyn_MinOffset_HwDeg_M_f32	-396.630005	-396.630005	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7936239	-14.7936239 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	142869376	142869376	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	114.010002	114.010002 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.171 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.299988	
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	164464918	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	934.299988	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000967999978	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	934.299988	
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	
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	934.299988	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000768000027	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	934.299988	
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	

Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.3000031		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	934.299988		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.63999997e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	934.299988		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000967999978		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002		
VehDyn_HiSpdLearnt_Cnt_M_lgc	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_Uls_f32	17.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000487000012		
VehDyn_SLPHwAuth_Uls_M_f32	0.162		
VehDyn_SLPHwPos_HwDeg_M_f32	124.269997		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	0.00120000006		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	91986		
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1050692864		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2075080192		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-392.730011		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1043.38904		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.76999998		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.365005		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	934.299988		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	124.269997		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.85199		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918	164464918	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	934.299988	934.299988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	934.299988	934.299988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
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	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	934.299988	934.299988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	934.299988	934.299988 ± 0.0009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	437658624	437658624	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	934.299988	934.299988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	934.299988	934.299988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1043.38904	1043.38904	✔
VehDyn_MinOffset_HwDeg_M_f32	-392.730011	-392.730011	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7905922	17.7905922 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

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

Test Step 2.172 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.099976	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.0999985	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.1000004	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49475	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1187.09998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000969999994	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1187.09998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000969999994	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.8000031	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.5999985	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7000008	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.5999985	
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	1187.09998	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000769999984	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1187.09998	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000531999976	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	

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	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	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1187.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.66000012e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1187.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000969999994
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1207.81396
VehDyn_MinOffset_HwDeg_M_f32	-410.070007
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000487999991
VehDyn_SLPHwAuth_Uls_M_f32	0.143000007
VehDyn_SLPHwPos_HwDeg_M_f32	134.529999
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	12
k_SysKinRatio_MtrDegpHwDeg_f32	52.7000008
k_TravelXCDeadband_Uls_f32	9.17000008
k_TravelXCHwAuthority_Uls_f32	0.221200004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	71426560
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	1187.09998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	134.529999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216	219286216	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1187.09998	1187.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1187.09998	1187.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1187.09998	1187.09998 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1187.09998	1187.09998 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216	219286216	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1187.09998	1187.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1187.09998	1187.09998 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1037.81995	1037.81995	✓
VehDyn_MinOffset_HwDeg_M_f32	-386.470001	-386.470001	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.9975791	-6.9975791 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓

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

Test Step 2.173 (Repeat Count = 1)		✓
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.5	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.5	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3186	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1297.32996	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000972000009	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1297.32996	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000972000009	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98.6999969	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.5999985	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.4000015	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1297.32996	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000771999999	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1297.32996	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000536000007	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1297.32996
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.68000027e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1297.32996
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000972000009
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-700.950012
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1212.80603
VehDyn_MinOffset_HwDeg_M_f32	-416.790009
VehDyn_PinTrqSV_M_str.SV_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	1001845248
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	10.5
k_TravelXCDeadband_Uls_f32	10.7399998
k_TravelXCHwAuthority_Uls_f32	0.222424999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2430672128
target_GetSystemTime_mS_u32_CurrentTime	3304439296
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTi_mS_u32_ElapsedTi	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-380.209991
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1032.25098
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.99000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.4100037
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1297.32996
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	144.789993
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.053986

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	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1297.32996	1297.32996 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1297.32996	1297.32996 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1297.32996	1297.32996 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1297.32996	1297.32996 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1297.32996	1297.32996 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1297.32996	1297.32996 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-265.078979	-265.07901	✔
VehDyn_MinOffset_HwDeg_M_f32	-416.790009	-416.790009	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29617453	6.29617453 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1001845248	1001845248	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	144.789993	144.789993 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.174 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	31.7999992	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.8000031	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.80000019	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.7999992	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000974000024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000974000024	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.9000015	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.5999985	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.8000002	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.7000008	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000774000015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000539999979
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.400002
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.6999997e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000974000024
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1217.79797
VehDyn_MinOffset_HwDeg_M_f32	-423.51001
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000490000006
VehDyn_SLPHwAuth_Uls_M_f32	0.104999997
VehDyn_SLPHwPos_HwDeg_M_f32	155.050003
VehDyn_SrlHwAgVldTimer_mS_M_u32	1807164800
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	65
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	123
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	1361.30005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	155.050003
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	75

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812	328928812	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-334.618042	-334.618011	✔
VehDyn_MinOffset_HwDeg_M_f32	-423.51001	-423.51001	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1914358	15.1914368 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1807164800	1807164800	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.175 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000975999981
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000975999981
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.5999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.8000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.0100002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.6999969

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000775999972
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00054400001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.71999985e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000975999981
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_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_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1222.79004
VehDyn_MinOffset_HwDeg_M_f32	-430.230011
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000491000013
VehDyn_SLPHwAuth_Uls_M_f32	0.0860000029
VehDyn_SLPHwPos_HwDeg_M_f32	165.309998
VehDyn_SrlHwAgVldTimer_mS_M_u32	43238144
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	112
k_SysKinRatio_MtrDegpHwDeg_f32	86.4499969
k_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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	54689
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-367.690002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1021.11298
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.21000004
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.541016
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	586.059998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	165.309998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.4520035

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	586.059998	586.059998 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1021.11298	1021.11298	✔
VehDyn_MinOffset_HwDeg_M_f32	-367.690002	-367.690002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9920683	13.9920683 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	43238144	43238144	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0860000029	0.0860000029 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	751.369995	751.369995 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.176 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.900024	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.900002	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.8999996	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.9000015	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000977999996	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000977999996	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.79999995	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.800003	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.5	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000777999987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000547999982
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
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	2.4000001
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.399994
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.4000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.74e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000977999996
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-401.220001
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1227.78198
VehDyn_MinOffset_HwDeg_M_f32	-436.950012
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000492000021
VehDyn_SLPHwAuth_Uls_M_f32	0.0670000017
VehDyn_SLPHwPos_HwDeg_M_f32	175.570007
VehDyn_SrlHwAgVldTimer_mS_M_u32	484033152
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32	56.1300011
k_TravelXCDeadband_Uls_f32	15.4499998
k_TravelXCHwAuthority_Uls_f32	0.226099998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3533260288
target_GetSystemTime_mS_u32_CurrentTime	3323480832
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	7858
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_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	-361.429993
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1015.54401
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.31999993
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-339.980011
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	175.570007
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0

Name	Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	87		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3323480832	3323480832	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3323480832	3323480832	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-339.980011	-339.980011 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1015.54401	1015.54401	✔
VehDyn_MinOffset_HwDeg_M_f32	-361.429993	-361.429993	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89454842	8.89454937 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	484033152	484033152	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	61.2399902	61.2400017 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.177 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.799988	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.800003	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.8000002	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.8000031	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000980000012	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000980000012	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116.599998
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000552000012
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	13.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.76000015e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000980000012
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-301.309998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1232.77405
VehDyn_MinOffset_HwDeg_M_f32	-443.670013
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000493000029
VehDyn_SLPHwAuth_Uls_M_f32	0.0480000004
VehDyn_SLPHwPos_HwDeg_M_f32	185.830002
VehDyn_SrlHwAgVldTimer_mS_M_u32	1213316096
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	744
k_SysKinRatio_MtrDegpHwDeg_f32	54.1199989
k_TravelXCDeadband_Uls_f32	17.0200005
k_TravelXCHwAuthority_Uls_f32	0.227325007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	812314880
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	333
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-369.149994
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1009.97498
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.43000007
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1590.80005

Name	Input Value
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	185.830002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.79999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-580.825073	-580.825012	✔
VehDyn_MinOffset_HwDeg_M_f32	-443.670013	-443.670013	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8919325	13.8919325 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1213316096	1213316096	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
Autocenter_f32	1	Autocenter_f32	1	✔	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔	
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.178 (Repeat Count = 1)	✔
Name	**Input Value**
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.400024
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246.399994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	78.4000015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.600006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000722000026
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000436000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	78.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.2000008
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.1800001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1302.15002
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000464000012
VehDyn_SLPHwAuth_Uls_M_f32	0.153999999
VehDyn_SLPHwPos_HwDeg_M_f32	370.51001
VehDyn_SrlHwAgVldTimer_mS_M_u32	306931584
k_HiSpdVDAuthority_Uls_f32	0.75999999
k_HwTqMgnThd_HwNm_f32	7.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	700
k_SysKinRatio_MtrDegpHwDeg_f32	52.5400009
k_TravelXCDeadband_Uls_f32	45.2799988
k_TravelXCHwAuthority_Uls_f32	0.249375001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	12
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-461.790009
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	943.146973
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.40999985

Name	Input Value		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.009995		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	385.579987		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	370.51001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	139.270004		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-1302.15002	-1302.15002	✔
VehDyn_MinOffset_HwDeg_M_f32	-847.369995	-847.369995	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7896194	17.7896194 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	306931584	306931584	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	387.159973	387.160004 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.179 (Repeat Count = 1) ✔

Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime		
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime		
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime		
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime		
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn		
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1		
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.100006		
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	123.099998		
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004		
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.0999985		
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258		
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401		
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758		
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000923999993		
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002		

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	88.6500015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.580002
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.64999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000723999983
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000440000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	88.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.20000025e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1298.25
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046499999
VehDyn_SLPHwAuth_Uls_M_f32	0.163000003
VehDyn_SLPHwPos_HwDeg_M_f32	380.769989
VehDyn_SrlHwAgVldTimer_mS_M_u32	997399808
k_HiSpdVDAuthority_Uls_f32	0.779999971
k_HwTqMgnThd_HwNm_f32	8.10000038
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	10.0500002
k_TravelXCDeadband_Uls_f32	46.8499985
k_TravelXCHwAuthority_Uls_f32	0.25060001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_GetSystemTime_mS_u32_CurrentTime	3304439296
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	89763
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-469.51001

Name	Input Value
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	937.578003
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.51999998
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.73999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1377.90002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	380.769989
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.859985

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1298.25	1298.25	✓
VehDyn_MinOffset_HwDeg_M_f32	2840	2840	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99862003	-6.99862003 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	997399808	997399808	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	380.769989	380.769989 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.180 (Repeat Count = 1)		✓
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.399994	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.399994	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.3999996	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.4000015	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29729	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	33804	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000904000015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000904000015
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	662
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	146.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000704000005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00039999999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	662.099976
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.139999
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.00000019e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000904000015
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	198.240005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1277.70203
VehDyn_MinOffset_HwDeg_M_f32	-504.149994
VehDyn_PinTrqSV_M_str.SV_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	195646592
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	9.10000038
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	41.8499985
k_TravelXCDeadband_Uls_f32	31.1499996
k_TravelXCHwAuthority_Uls_f32	0.238350004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360
target_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1736795392
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-438.630005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1415.25
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.42000008
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.099976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	278.170013
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.050003

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680	3039943680	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216	219286216	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216	219286216	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1277.70203	1277.70203	✔
VehDyn_MinOffset_HwDeg_M_f32	-438.630005	-438.630005	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9921236	13.9921236 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	195646592	195646592	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-198.240005	-198.240005 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.181 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.099976	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000905999972
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000905999972
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.599998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.6000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10.3999996
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000706000021
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403999991
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.400002
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.02000034e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000905999972
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1282.69397
VehDyn_MinOffset_HwDeg_M_f32	-510.869995
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000456000009
VehDyn_SLPHwAuth_Uls_M_f32	0.0820000023
VehDyn_SLPHwPos_HwDeg_M_f32	288.429993
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	0.119999997
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	703
k_SysKinRatio_MtrDegpHwDeg_f32	63.0139999
k_TravelXCDeadband_Uls_f32	32.7200012
k_TravelXCHwAuthority_Uls_f32	0.239574999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832
target_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	954802432
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	987.698975
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.52999997
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-275.019989
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	288.429993
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.039993

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	987.698975	987.698975	✔
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79478073	7.79478073 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088	3437401088	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-573.169983	-573.169983 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.182 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.39999962

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	18.3999996
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	255468
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000942000013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000942000013
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	56
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.06999969
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000742000004
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000475999987
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	56.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.099998
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.38000017e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000942000013
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	398.059998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1127.94202
VehDyn_MinOffset_HwDeg_M_f32	-423.186005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000474
VehDyn_SLPHwAuth_Uls_M_f32	0.446999997
VehDyn_SLPHwPos_HwDeg_M_f32	-29.6299992
VehDyn_SrlHwAgVldTimer_mS_M_u32	1036175744
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.44999981
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	96.0999985
k_TravelXCDeadband_Uls_f32	12.6499996
k_TravelXCHwAuthority_Uls_f32	0.2016
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3039943680
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-486.630005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1126.92395
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.04999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1307.94995
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-29.6299992
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.73999

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	255468	255468	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1126.92395	1126.92395	✔
VehDyn_MinOffset_HwDeg_M_f32	-486.630005	-486.630005	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7906246	-14.7906246 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1036175744	1036175744	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	909.889954	909.890015 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.183 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.4000015
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.47000003
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	10.3999996
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000944000029
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	129
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.80000019
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	53.2999992
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000744000019
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000479999988
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.40000032e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	497.970001
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1132.93396
VehDyn_MinOffset_HwDeg_M_f32	-416.502014
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000475000008
VehDyn_SLPHwAuth_Uls_M_f32	0.428000003
VehDyn_SLPHwPos_HwDeg_M_f32	-19.3700008
VehDyn_SrlHwAgVldTimer_mS_M_u32	1029379840
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1000
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752

Name	Input Value
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	463842816
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-480.369995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1121.35498
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.55999994
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-893.640015
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-19.3700008
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680	3039943680	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918	164464918	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918	164464918	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1132.93396	1132.93396	✔
VehDyn_MinOffset_HwDeg_M_f32	413.27002	413.269989	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7943058	17.7943077 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1029379840	1029379840	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1391.60999	-1391.60999 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.184 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	120.099998
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000867999974
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000867999974
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1999998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000668000022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000327999995
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.4000015
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.4000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.3999996
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	255468
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.64000036e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000867999974
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	943.237976
VehDyn_MinOffset_HwDeg_M_f32	-670.494019
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00043700001
VehDyn_SLPHwAuth_Uls_M_f32	0.861999989
VehDyn_SLPHwPos_HwDeg_M_f32	-409.25
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	0.400000006
k_HwTqMgnThd_HwNm_f32	8.10000038
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TravelXCDeadband_Uls_f32	50.7599983
k_TravelXCHwAuthority_Uls_f32	0.156275004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1711664384

Name	Input Value
target_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-718.25
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1332.97705
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1454.77002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-409.25
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.850006

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	255468	255468	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1332.97705	1332.97705	✔
VehDyn_MinOffset_HwDeg_M_f32	-718.25	-718.25	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80058718	7.80058718 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

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

Test Step 2.185 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.0999985
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	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	255468
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000948000001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000948000001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98.8000031
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.04
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000487999991
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4399999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000948000001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	697.789978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1142.91797
VehDyn_MinOffset_HwDeg_M_f32	-403.134003
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000476999994
VehDyn_SLPHwAuth_Uls_M_f32	0.389999986
VehDyn_SLPHwPos_HwDeg_M_f32	1.14999998
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	951
k_SysKinRatio_MtrDegpHwDeg_f32	10.1000004

Name	Input Value
k_TravelXCDeadband_Uls_f32	9.56000042
k_TravelXCHwAuthority_Uls_f32	0.205274999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	954802432
target_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_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	-467.850006
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1110.21704
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.67999983
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.4400024
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-833.309998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1.14999998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	255468	255468	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1110.21704	1110.21704	✔
VehDyn_MinOffset_HwDeg_M_f32	-467.850006	-467.850006	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30041265	6.30041265 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408	1662097408	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1531.09998	-1531.09998 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.186 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	31.2999992
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.3000031
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.30000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.2999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000950000016
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000950000016
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.5999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.0500002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000750000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000492000021
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.5999985
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	328928812
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.46000005e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000950000016
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	797.700012
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0

Name	Input Value
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1147.91003
VehDyn_MinOffset_HwDeg_M_f32	-396.450012
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000478000002
VehDyn_SLPHwAuth_Uls_M_f32	0.370999992
VehDyn_SLPHwPos_HwDeg_M_f32	11.4099998
VehDyn_SrlHwAgVldTimer_mS_M_u32	1186941824
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	9.19999981
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	4856
k_SysKinRatio_MtrDegpHwDeg_f32	25.2999992
k_TravelXCDeadband_Uls_f32	8.52999973
k_TravelXCHwAuthority_Uls_f32	0.206499994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2728878080
target_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2942063360
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-461.589996
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1104.64793
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.23999977
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1124.05005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	11.4099998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	75

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432	954802432	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812	328928812	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005 ± 0.009	✔
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	✔

Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	1186941824	1186941824	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
Autocenter_f32	1	Autocenter_f32	1	✔	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔	
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔	

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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.299988	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.300003	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.3000002	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.2999992	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000951999973	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	
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	34.2999992	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.8000031	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.0500002	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.5	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000752000022	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000495999993	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.0999985	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.100006	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.0999985	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4800002e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1	
VehDyn_ForceCenterOffset_HwDeg_M_f32	897.609985	

Name	Input Value		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1152.90198		
VehDyn_MinOffset_HwDeg_M_f32	-389.765991		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000479000009		
VehDyn_SLPHwAuth_Uls_M_f32	0.351999998		
VehDyn_SLPHwPos_HwDeg_M_f32	21.6700001		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	5.25		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	90		
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031		
k_TravelXCDeadband_Uls_f32	7.5		
k_TravelXCHwAuthority_Uls_f32	0.207725003		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752		
target_GetSystemTime_mS_u32_CurrentTime	2728878080		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2127166208		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-455.329987		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1099.07898		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7.80000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.440002		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-136.300003		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	21.6700001		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.9639969		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110	383750110	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	1152.90198	1152.90198	✓

Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	-319.029968	-319.029999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.997057	13.997057 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1033.91003	-1033.91003 ± 0.1	✔

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

Test Step 2.188 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.600006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.5999985	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.6000004	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.5999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159.300003	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.8000031	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.5999985	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.5	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.5	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.5	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	
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	

Name	Input Value
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1157.89404
VehDyn_MinOffset_HwDeg_M_f32	12.3000002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989
VehDyn_SLPHwAuth_Uls_M_f32	0.333000004
VehDyn_SLPHwPos_HwDeg_M_f32	31.9300003
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688
k_HiSpdVDAuthority_Uls_f32	0.899999976
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	63.2000008
k_TravelXCDeadband_Uls_f32	6.46999979
k_TravelXCHwAuthority_Uls_f32	0.208949998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-449.070007
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1093.51001
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.35999966
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-444.839996
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	31.9300003
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_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	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-1157.89404	-1157.89404	✔
VehDyn_MinOffset_HwDeg_M_f32	12.3000002	12.3000002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50328505	1.50328505 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1442.35999	-1442.35999 ± 0.1	✔

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

Test Step 2.189 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.099976	
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	85.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000953999988	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	
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	-480.880005	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000753999979	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	
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	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.20000005	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.199997	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.19999981	
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	2967684784	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.50000036e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	
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	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1097.43005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	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
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	56.0999985
k_TravelXCDeadband_Uls_f32	5.44000006
k_TravelXCHwAuthority_Uls_f32	0.210174993
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-442.809998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1087.94104
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.92000008
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-480.880005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	42.1899986
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	87

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1087.94104	1087.94104	✔
VehDyn_MinOffset_HwDeg_M_f32	-442.809998	-442.809998	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.90007687	8.90007687 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.31400001	0.31400001 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-438.690002	-438.690002 ± 0.1	✔

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

Test Step 2.190 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.200012	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.1999969	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000956000003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	
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	116.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001	
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	3174948758	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000755999994	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	
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_lgc	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	3174948758	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.51999978e-005	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000956000003
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1197.33997
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1167.87805
VehDyn_MinOffset_HwDeg_M_f32	-369.713989
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000480999995
VehDyn_SLPHwAuth_Uls_M_f32	0.294999987
VehDyn_SLPHwPos_HwDeg_M_f32	52.4500008
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	6.5
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	3229
k_SysKinRatio_MtrDegpHwDeg_f32	54.0999985
k_TravelXCDeadband_Uls_f32	4.40999985
k_TravelXCHwAuthority_Uls_f32	0.211400002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	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_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-436.549988
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1082.37195
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.47999954
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	710.950012
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	52.4500008
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.79999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127.450996

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1082.37195	1082.37195	✔
VehDyn_MinOffset_HwDeg_M_f32	-436.549988	-436.549988	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8978577	13.8978577 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-486.389954	-486.390015 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.191 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.4000015
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.3000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	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

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1172.87
VehDyn_MinOffset_HwDeg_M_f32	-363.029999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989
VehDyn_SLPHwAuth_Uls_M_f32	0.275999993
VehDyn_SLPHwPos_HwDeg_M_f32	62.7099991
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	0.899999976
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	63.3199997
k_TravelXCDeadband_Uls_f32	3.38000011
k_TravelXCHwAuthority_Uls_f32	0.212624997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.290009
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1076.80298
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.11000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-714.090027
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	62.7099991
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1172.87	1172.87	✔
VehDyn_MinOffset_HwDeg_M_f32	283.800018	283.799988	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49870157	1.49870157 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.275999993	0.275999993 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-651.380005	-651.380005 ± 0.1	✔

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

Test Step 2.192 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.099976	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.0999985	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000958000019	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000958000019	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.7999992	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.4499969	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000758000009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.799988	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031	

Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.8000031		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53999993e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000958000019		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	1397.16003		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	1177.86206		
VehDyn_MinOffset_HwDeg_M_f32	-369.75		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000482000003		
VehDyn_SLPHwAuth_Uls_M_f32	0.256999999		
VehDyn_SLPHwPos_HwDeg_M_f32	72.9700012		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	1.10000002		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	16445		
k_SysKinRatio_MtrDegpHwDeg_f32	54.2999992		
k_TravelXCDeadband_Uls_f32	2.3499999		
k_TravelXCHwAuthority_Uls_f32	0.213850006		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624		
target_GetSystemTime_mS_u32_CurrentTime	954802432		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	463842816		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2075080192		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-424.029999		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1071.23401		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.22000003		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.109985		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	110.5		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	72.9700012		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.220001		
Name	**Actual Value**	**Expected Value**	**Result**
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	960.734009	960.734009	✔
VehDyn_MinOffset_HwDeg_M_f32	-369.75	-369.75	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39797401	-5.39797354 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.256999999	0.256999999 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	183.470001	183.470001 ± 0.1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.1999969	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.2000008	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	38708	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000959999976	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000959999976	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.799988	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	75.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.7999992	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000760000024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000511999999	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_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	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.900024	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.9000015	

Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.89999962		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.9000015		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.56000009e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000959999976		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	1497.06995		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1182.854		
VehDyn_MinOffset_HwDeg_M_f32	-376.470001		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483000011		
VehDyn_SLPHwAuth_Uls_M_f32	0.238000005		
VehDyn_SLPHwPos_HwDeg_M_f32	83.2300034		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1640834048		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	2.0999999		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	32		
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985		
k_TravelXCDeadband_Uls_f32	1.32000005		
k_TravelXCHwAuthority_Uls_f32	0.215075001		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312		
target_GetSystemTime_mS_u32_CurrentTime	2728878080		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1759885568		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-417.769989		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1065.66504		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.33000004		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.440002		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1014.73999		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	83.2300034		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.410004		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1065.66504	1065.66504	✔
VehDyn_MinOffset_HwDeg_M_f32	-417.769989	-417.769989	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59575272	7.59575272 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1640834048	1640834048	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.194 (Repeat Count = 1)   ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.2999992
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.2999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.9000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
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	-284.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1596.97998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1187.84595
VehDyn_MinOffset_HwDeg_M_f32	-383.190002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989
VehDyn_SLPHwAuth_Uls_M_f32	0.218999997
VehDyn_SLPHwPos_HwDeg_M_f32	93.4899979
VehDyn_SrlHwAgVldTimer_mS_M_u32	862957440
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	4891
k_SysKinRatio_MtrDegpHwDeg_f32	63.2000008
k_TravelXCDeadband_Uls_f32	2.8900001
k_TravelXCHwAuthority_Uls_f32	0.216299996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-411.51001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1060.09595
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.44000006
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-284.299988
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	93.4899979
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	1024	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	1024	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	1060.09595	1060.09595	✓
VehDyn_MinOffset_HwDeg_M_f32	-411.51001	-411.51001	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49854183	1.49854183 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	862957440	862957440	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.218999997	0.218999997 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-190.809998	-190.809998 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.195 (Repeat Count = 1)		✓
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.0999985	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000964000006	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000964000006	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45.7999992	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.3999996	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2999992	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000763999997	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000520000001	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.6000004
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.599998
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.6000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.51999978e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000964000006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1192.83801
VehDyn_MinOffset_HwDeg_M_f32	-389.910004
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000484999997
VehDyn_SLPHwAuth_Uls_M_f32	0.200000003
VehDyn_SLPHwPos_HwDeg_M_f32	103.75
VehDyn_SrlHwAgVldTimer_mS_M_u32	1185596672
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	91986
k_SysKinRatio_MtrDegpHwDeg_f32	88.8000031
k_TravelXCDeadband_Uls_f32	4.46000004
k_TravelXCHwAuthority_Uls_f32	0.217525005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-405.25
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1054.52698
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.54999995
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	987.5
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1259.78003
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	103.75
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.641006

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	309385728	309385728	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-1192.83801	-1192.83801	✔
VehDyn_MinOffset_HwDeg_M_f32	-389.910004	-389.910004	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000253	-1.60000253 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1185596672	1185596672	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-37.4699707	-37.4700012 ± 0.1	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.196 (Repeat Count = 1)   ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.10000038
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25496
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000899999985
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	580.099976
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	126
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1399994
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000699999975

Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000391999987		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	580.799988		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.800003		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.79999995		
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	109643620		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.95999988e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	398.059998		
VehDyn_HiSpdLearnt_Cnt_M_lgc	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		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1314708608		
k_HiSpdVDAuthority_Uls_f32	0		
k_HwTqMgnThd_HwNm_f32	5.0999999		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	12		
k_SysKinRatio_MtrDegpHwDeg_f32	32.5		
k_TravelXCDeadband_Uls_f32	28.0100002		
k_TravelXCHwAuthority_Uls_f32	0.2359		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272		
target_GetSystemTime_mS_u32_CurrentTime	4243378688		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2127166208		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-423.190002		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.20000005		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.5		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	257.649994		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500		

Name	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	4004004656	4004004656	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620	109643620	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620	109643620	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	360	360	✓
VehDyn_MinOffset_HwDeg_M_f32	-423.190002	-423.190002	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29571772	6.29571724 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	1314708608	1314708608	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1201.93994	1201.93994 ± 0.1	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.197 (Repeat Count = 1)		✓
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.299988	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.300003	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.2999992	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	11226	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000902	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000902	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	621	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	136.600006	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0999985	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22037	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00070199999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000395999989
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	621.400024
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.399994
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.34000015
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.3000002
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.98000003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000902
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	497.970001
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1272.70996
VehDyn_MinOffset_HwDeg_M_f32	-497.429993
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000453999994
VehDyn_SLPHwAuth_Uls_M_f32	0.064000003
VehDyn_SLPHwPos_HwDeg_M_f32	267.910004
VehDyn_SrlHwAgVldTimer_mS_M_u32	2087849472
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	6.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	52.2000008
k_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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.910004
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.30999994
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	45.0099983
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	267.910004
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918	164464918	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1272.70996	1272.70996	✔
VehDyn_MinOffset_HwDeg_M_f32	-475.920013	-475.920013	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1915827	15.1915827 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2087849472	2087849472	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	267.910004	267.910004 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.198 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.399994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.399994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29729
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	33804
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000904000015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000904000015
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	662
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	146.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.4000015

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000704000005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00039999999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	662.099976
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	176.139999
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.00000019e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000904000015
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	597.880005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1277.70203
VehDyn_MinOffset_HwDeg_M_f32	-504.149994
VehDyn_PinTrqSV_M_str.SV_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	1309118848
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	7.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	65
k_SysKinRatio_MtrDegpHwDeg_f32	41.8499985
k_TravelXCDeadband_Uls_f32	31.1499996
k_TravelXCHwAuthority_Uls_f32	0.238350004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360
target_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-438.630005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1415.25
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.42000008
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.099976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	0
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	278.170013
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.050003

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3039943680	3039943680	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216	219286216	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216	219286216	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0 ± 0.000009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1277.70203	1277.70203	✔
VehDyn_MinOffset_HwDeg_M_f32	-438.630005	-438.630005	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9921236	13.9921236 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1309118848	1309118848	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-597.880005	-597.880005 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.199 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	539.099976	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	196.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	75.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	7034	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000905999972	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000905999972	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.599998	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	13.6000004	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	10.3999996
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000706000021
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000403999991
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.400002
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	186.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.02000034e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000905999972
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	697.789978
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1282.69397
VehDyn_MinOffset_HwDeg_M_f32	-510.869995
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000456000009
VehDyn_SLPHwAuth_Uls_M_f32	0.0820000023
VehDyn_SLPHwPos_HwDeg_M_f32	288.429993
VehDyn_SrlHwAgVldTimer_mS_M_u32	54083328
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	8.10000038
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	112
k_SysKinRatio_MtrDegpHwDeg_f32	63.0139999
k_TravelXCDeadband_Uls_f32	32.7200012
k_TravelXCHwAuthority_Uls_f32	0.239574999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832
target_GetSystemTime_mS_u32_CurrentTime	1316564736
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	987.698975
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.52999997
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-275.019989
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	288.429993
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0

Name	Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.039993		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1316564736	1316564736	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-275.019989	-275.019989 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	987.698975	987.698975	✔
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79478073	7.79478073 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	54083328	54083328	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.0820000023	0.0820000023 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	13.4100037	13.4099998 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.200 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	580.200012	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.1999969	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.1999969	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000907999987	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	

Name	Input Value
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	-1482.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000707999978
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000407999993
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	138.100006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.03999976e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	797.700012
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1287.68604
VehDyn_MinOffset_HwDeg_M_f32	-517.590027
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000456999987
VehDyn_SLPHwAuth_Uls_M_f32	0.0909999982
VehDyn_SLPHwPos_HwDeg_M_f32	298.690002
VehDyn_SrlHwAgVldTimer_mS_M_u32	110169728
k_HiSpdVDAuthority_Uls_f32	0.99000001
k_HwTqMgnThd_HwNm_f32	9.10000038
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1385
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	982.130005
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.6400001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	325.5
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1482.09998

Name	Input Value		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	298.690002		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995		
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	328928812	328928812	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812	328928812	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	982.130005	982.130005	✔
VehDyn_MinOffset_HwDeg_M_f32	-360	-360	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19688082	3.19688082 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	110169728	110169728	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.99000001	0.99000001 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
Autocenter_f32	1	Autocenter_f32		1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32		1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached		1	✔

Test Step 2.201 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	621.299988	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.3000031	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.3000002	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.3000031	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	43128	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.650024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000910000002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.650024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000910000002	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.9000015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.650024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000709999993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.650024
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	86.4000015
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	383750110
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.650024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.05999992e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.650024
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_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	897.609985
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-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
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	0.889999986
k_HwTqMgnThd_HwNm_f32	0.119999997
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	744
k_SysKinRatio_MtrDegpHwDeg_f32	75.8700027
k_TravelXCDeadband_Uls_f32	35.8600006
k_TravelXCHwAuthority_Uls_f32	0.242025003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088
target_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1242.25
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	976.560974
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.75

Name	Input Value
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	245.300003
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-753.650024
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	308.950012
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.330002

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.650024	-753.650024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.650024	-753.650024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	954802432	954802432	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.650024	-753.650024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.650024	-753.650024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	954802432	954802432	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-753.650024	-753.650024 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-753.650024	-753.650024 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-1292.67798	-1292.67798	✔
VehDyn_MinOffset_HwDeg_M_f32	-488.599976	-488.600006	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39921045	-5.39921045 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.202 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	42.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.450012

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000912000018
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.450012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000912000018
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	44.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186.600006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	56.2099991
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.450012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000712000008
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.450012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000415999995
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_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	2138628886
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.450012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.08000007e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.450012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000912000018
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002
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
VehDyn_SrlHwAgVldTimer_mS_M_u32	401380224
k_HiSpdVDAuthority_Uls_f32	0.75999999
k_HwTqMgnThd_HwNm_f32	5.44999981
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	700
k_SysKinRatio_MtrDegpHwDeg_f32	97.4499969
k_TravelXCDeadband_Uls_f32	37.4300003
k_TravelXCHwAuthority_Uls_f32	0.243249997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3494315776
target_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	954802432
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	123
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-423.190002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	970.992004
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.8599999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1023.04999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	456.450012
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	319.209991
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	56

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M.str.Timer1_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.450012	456.450012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.450012	456.450012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.450012	456.450012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.450012	456.450012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	456.450012	456.450012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	456.450012	456.450012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	970.992004	970.992004	✔
VehDyn_MinOffset_HwDeg_M_f32	-423.190002	-423.190002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59471798	7.59471798 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	401380224	401380224	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.75999999	0.75999999 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.203 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.600006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.599998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.5999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.6000004
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000913999975
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000913999975
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	96.5999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196.699997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.60000038
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	54
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000714000023
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000419999997
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	96.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.10000022e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000913999975
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1097.43005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-3.5999999
VehDyn_MinOffset_HwDeg_M_f32	7.80000019
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046000001
VehDyn_SLPHwAuth_Uls_M_f32	0.118000001
VehDyn_SLPHwPos_HwDeg_M_f32	329.470001
VehDyn_SrlHwAgVldTimer_mS_M_u32	1748130048
k_HiSpdVDAuthority_Uls_f32	0.340000004
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	86.6999969
k_TravelXCDeadband_Uls_f32	39
k_TravelXCHwAuthority_Uls_f32	0.244475007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	463842816
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	5477
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.910004
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	965.422974
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.97000003
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	969.01001
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	329.470001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	42.2200012

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-3.5999999	-3.5999999	✔
VehDyn_MinOffset_HwDeg_M_f32	7.80000019	7.80000019	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49745774	1.49745786 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1748130048	1748130048	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-128.420044	-128.419998 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.204 (Repeat Count = 1)	✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.5

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100.400002
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00071599998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000423999998
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_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	100.400002
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.11999965e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1197.33997
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-544.469971
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
VehDyn_SrlHwAgVldTimer_mS_M_u32	89
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	40.5699997
k_TravelXCHwAuthority_Uls_f32	0.245700002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	89
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_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_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-438.630005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	959.854004
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.07999992
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.0999985
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1397.33997
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	339.730011
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.8800011

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	309385728	309385728	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_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	-2840	-2840	✓
VehDyn_MinOffset_HwDeg_M_f32	958.709961	958.710022	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60115242	-1.6011523 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	89	89	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.127000004	0.127000004 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1057.60999	-1057.60999 ± 0.1	✓

Test Step Call Trace   ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.099976

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.100006
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	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000918000005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000918000005
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.5
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216.539993
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000717999996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000427999999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.400002
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	2760420809
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.1399998e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993
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_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999
VehDyn_MinOffset_HwDeg_M_f32	-551.190002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000461999996
VehDyn_SLPHwAuth_Uls_M_f32	0.136000007
VehDyn_SLPHwPos_HwDeg_M_f32	349.98999
VehDyn_SrlHwAgVldTimer_mS_M_u32	4178051584
k_HiSpdVDAuthority_Uls_f32	0.670000017
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	703
k_SysKinRatio_MtrDegpHwDeg_f32	32.5400009
k_TravelXCDeadband_Uls_f32	42.1399994
k_TravelXCHwAuthority_Uls_f32	0.246924996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408
target_GetSystemTime_mS_u32_CurrentTime	4164171008
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4178051584
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_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_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-446.350006
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	954.284973
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.19000006
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-913.679993
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	349.98999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4164171008	4164171008	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4164171008	4164171008	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_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	467.329987	467.329987	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.794982	-14.794982 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4178051584	4178051584	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

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

Test Step 2.206 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	

Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
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
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00092000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013
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	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000720000011
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000432000001
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	126.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.15999995e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00092000002
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1397.16003
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1425.25
VehDyn_MinOffset_HwDeg_M_f32	-557.909973
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000463000004
VehDyn_SLPHwAuth_Uls_M_f32	0.144999996
VehDyn_SLPHwPos_HwDeg_M_f32	360.25
VehDyn_SrlHwAgVldTimer_mS_M_u32	459322752
k_HiSpdVDAuthority_Uls_f32	0.119999997
k_HwTqMgnThd_HwNm_f32	9.19999981
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	9000
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	309385728

Name	Input Value
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4077829376
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-454.070007
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	948.716003
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.30000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.099976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	476.670013
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	360.25
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	437658624	437658624	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	472.04599	472.04599	✔
VehDyn_MinOffset_HwDeg_M_f32	-557.909973	-557.909973	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79442263	7.79442215 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	459322752	459322752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-920.48999	-920.48999 ± 0.1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
Autocenter_f32	1	Autocenter_f32		1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32		1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached		1	✔

Test Step 2.207 (Repeat Count = 1)	✔
Name	**Input Value**
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.400024
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	246.399994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	78.4000015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	226.600006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000722000026
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000436000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	78.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	52.2000008
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.1800001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000921999977
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1497.06995
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1302.15002
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000464000012
VehDyn_SLPHwAuth_Uls_M_f32	0.153999999
VehDyn_SLPHwPos_HwDeg_M_f32	370.51001
VehDyn_SrlHwAgVldTimer_mS_M_u32	1391465216
k_HiSpdVDAuthority_Uls_f32	0.75999999
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1000
k_SysKinRatio_MtrDegpHwDeg_f32	52.5400009
k_TravelXCDeadband_Uls_f32	45.2799988
k_TravelXCHwAuthority_Uls_f32	0.249375001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688

Name	Input Value
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2644937728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-461.790009
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	943.146973
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.40999985
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.009995
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	385.579987
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	370.51001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	139.270004

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-1302.15002	-1302.15002	✔
VehDyn_MinOffset_HwDeg_M_f32	-847.369995	-847.369995	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7896194	17.7896194 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1391465216	1391465216	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1111.48999	-1111.48999 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.208 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	123.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002
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	88.6500015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	236.580002
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.64999998
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000723999983
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000440000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	88.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	34.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.20000025e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000923999993
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1596.97998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1298.25
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00046499999
VehDyn_SLPHwAuth_Uls_M_f32	0.163000003
VehDyn_SLPHwPos_HwDeg_M_f32	380.769989
VehDyn_SrlHwAgVldTimer_mS_M_u32	2212175616
k_HiSpdVDAuthority_Uls_f32	0.779999971
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	20045
k_SysKinRatio_MtrDegpHwDeg_f32	10.0500002

Name	Input Value
k_TravelXCDeadband_Uls_f32	46.8499985
k_TravelXCHwAuthority_Uls_f32	0.25060001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_GetSystemTime_mS_u32_CurrentTime	3304439296
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	954802432
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2212175616
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-469.51001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	937.578003
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.51999998
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.73999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1377.90002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	380.769989
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	387.859985

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1298.25	1298.25	✔
VehDyn_MinOffset_HwDeg_M_f32	2840	2840	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99862003	-6.99862003 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2212175616	2212175616	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.209 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	31.2000008
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	125.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000926000008
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000926000008
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	94.5999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	246
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.5999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000725999998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000444000005
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	94.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	18.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.21999968e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000926000008
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1500.22998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1

Name	Input Value
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1294.34998
VehDyn_MinOffset_HwDeg_M_f32	-1242.25
VehDyn_PinTrqSV_M_str.SV_Uls_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	2059598336
k_HiSpdVDAuthority_Uls_f32	0.233999997
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	951
k_SysKinRatio_MtrDegpHwDeg_f32	25.5499992
k_TravelXCDeadband_Uls_f32	48.4199982
k_TravelXCHwAuthority_Uls_f32	0.251825005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3039943680
target_GetSystemTime_mS_u32_CurrentTime	2167769344
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2059598336
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-477.230011
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	932.008972
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.63000011
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.449997
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1380.59998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	391.029999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.880005

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	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	3589476707	3589476707	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-1294.34998	-1294.34998	✔
VehDyn_MinOffset_HwDeg_M_f32	903.369995	903.369995	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29500914	6.29500866 ± 0.000009	✔

Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	2059598336	2059598336	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	119.630005	119.629997 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.210 (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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.299988
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
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000928000023
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000928000023
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	126.300003
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	42.5999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000728000014
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000448000006
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	126.599998
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.3000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.29999995
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	75.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.23999983e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000928000023
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1400.31995

Name	Input Value
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1290.44995
VehDyn_MinOffset_HwDeg_M_f32	-524.309998
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000467000005
VehDyn_SLPHwAuth_Uls_M_f32	0.180999994
VehDyn_SLPHwPos_HwDeg_M_f32	401.290009
VehDyn_SrlHwAgVldTimer_mS_M_u32	633730944
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	6.5
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	4856
k_SysKinRatio_MtrDegpHwDeg_f32	86.8499985
k_TravelXCDeadband_Uls_f32	0
k_TravelXCHwAuthority_Uls_f32	0.253049999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1316564736
target_GetSystemTime_mS_u32_CurrentTime	3714197504
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	800969984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-484.950012
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	926.440002
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.73999977
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.400024
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	703.02002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	401.290009
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	223.419983	223.419998	✓

Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	-524.309998	-524.309998	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79416895	7.79416847 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	633730944	633730944	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	401.290009	401.290009 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.211 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.099976	
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	3796740682	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00092999998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	
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	6.30000019	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21364	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52716	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3796740682	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000730000029	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000452000007	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.300003	
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	3796740682	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.25999998e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	
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	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1300.41003
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1286.55005
VehDyn_MinOffset_HwDeg_M_f32	-537.75
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000468000013
VehDyn_SLPHwAuth_Uls_M_f32	0.189999998
VehDyn_SLPHwPos_HwDeg_M_f32	411.549988
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	90
k_SysKinRatio_MtrDegpHwDeg_f32	56.3300018
k_TravelXCDeadband_Uls_f32	100
k_TravelXCHwAuthority_Uls_f32	0.254274994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192
target_GetSystemTime_mS_u32_CurrentTime	3323480832
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	123
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_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
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	920.870972
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.8499999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	829.530029
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	411.549988
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-7.30000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_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	3323480832	3323480832	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	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	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	920.870972	920.870972	✔
VehDyn_MinOffset_HwDeg_M_f32	-492.670013	-492.670013	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.196172	3.196172 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984	2659241984	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.189999998	0.189999998 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1241.08008	1241.07996 ± 0.1	✔

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

Test Step 2.212 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.200012	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.1999969	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.2000008	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000931999995	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	
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	4004004656	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000731999986	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	
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	4004004656	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.28000014e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000931999995	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1282.65002
VehDyn_MinOffset_HwDeg_M_f32	-551.190002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000468999991
VehDyn_SLPHwAuth_Uls_M_f32	0.199000001
VehDyn_SLPHwPos_HwDeg_M_f32	421.809998
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	54.7799988
k_TravelXCDeadband_Uls_f32	45.9799995
k_TravelXCHwAuthority_Uls_f32	0.255499989
target_DtrmnElapsedTime_mS_u32_ElapsedTime	954802432
target_GetSystemTime_mS_u32_CurrentTime	71426560
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTi	5477
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-500.390015
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	915.302002
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.96000004
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.099976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1123.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	421.809998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.049988

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	71426560	71426560	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	71426560	71426560	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-1282.65002	-1282.65002	✔
VehDyn_MinOffset_HwDeg_M_f32	-551.190002	-551.190002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39978266	-5.39978266 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360	2942063360	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔

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

Test Step 2.213 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.299988	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.300003	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.2999992	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	11226	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000902	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000902	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	621	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	136.600006	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0999985	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22037	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00070199999	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000395999989	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	621.400024	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.399994	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.34000015	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.3000002	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.98000003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000902
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	497.970001
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1272.70996
VehDyn_MinOffset_HwDeg_M_f32	-497.429993
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000453999994
VehDyn_SLPHwAuth_Uls_M_f32	0.064000003
VehDyn_SLPHwPos_HwDeg_M_f32	267.910004
VehDyn_SrlHwAgVldTimer_mS_M_u32	889845248
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	6.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	52.2000008
k_TravelXCDeadband_Uls_f32	20
k_TravelXCHwAuthority_Uls_f32	0.237124994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.910004
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	3.30999994
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	45.0099983
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	267.910004
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	164464918	164464918	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	45.0099983	45.0099983 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1272.70996	1272.70996	✔
VehDyn_MinOffset_HwDeg_M_f32	-475.920013	-475.920013	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1945877	15.1945877 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	889845248	889845248	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	267.910004	267.910004 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.214 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	38708
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000934000011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013
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
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.6000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000734000001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013
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

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.30000029e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000934000011
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1100.58997
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1278.75
VehDyn_MinOffset_HwDeg_M_f32	-564.630005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000469999999
VehDyn_SLPHwAuth_Uls_M_f32	0.208000004
VehDyn_SLPHwPos_HwDeg_M_f32	432.070007
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	41.0400009
k_TravelXCDeadband_Uls_f32	24.8700008
k_TravelXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2728878080
target_GetSystemTime_mS_u32_CurrentTime	2430672128
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	89
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4077829376
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-508.109985
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	909.732971
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.07000017
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.200012
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-378.170013
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	432.070007
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.480003

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2430672128	2430672128	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1278.75	1278.75	✔
VehDyn_MinOffset_HwDeg_M_f32	-129.939972	-129.940002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59410906	7.59410906 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4077829376	4077829376	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.208000004	0.208000004 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	53.8999939	53.9000015 ± 0.1	✔

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

Test Step 2.215 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.099976	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.0999985	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000936000026	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000936000026	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.700012	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.5400009	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.5	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.5	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000736000016	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000464000012	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_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	456.299988	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.0999985	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.31999971e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000936000026
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1274.84998
VehDyn_MinOffset_HwDeg_M_f32	-578.070007
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000471000007
VehDyn_SLPHwAuth_Uls_M_f32	0.216999993
VehDyn_SLPHwPos_HwDeg_M_f32	442.329987
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	3229
k_SysKinRatio_MtrDegpHwDeg_f32	54.1399994
k_TravelXCDeadband_Uls_f32	28.0100002
k_TravelXCHwAuthority_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752
target_GetSystemTime_mS_u32_CurrentTime	2242866176
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4178051584
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-515.830017
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	904.164001
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.17999983
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.299988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1415.88
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	442.329987
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.640015

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2242866176	2242866176	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	904.164001	904.164001	✔
VehDyn_MinOffset_HwDeg_M_f32	-515.830017	-515.830017	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39988518	-5.39988518 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832	1117112832	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-415.200012	-415.200012 ± 0.1	✔

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

Test Step 2.216 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.2999992	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.2999992	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000937999983	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000937999983	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159.600006	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.6000004	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000737999973	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000468000013	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.1000004
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.33999987e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000937999983
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1270.94995
VehDyn_MinOffset_HwDeg_M_f32	-591.51001
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000472000014
VehDyn_SLPHwAuth_Uls_M_f32	0.225999996
VehDyn_SLPHwPos_HwDeg_M_f32	452.589996
VehDyn_SrlHwAgVldTimer_mS_M_u32	1736795392
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	63.8699989
k_TravelXCDeadband_Uls_f32	31.1499996
k_TravelXCHwAuthority_Uls_f32	0.300000012
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728
target_GetSystemTime_mS_u32_CurrentTime	2269150976
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4077829376
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1736795392
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_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	-523.549988
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	898.594971
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.28999996
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.579987
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1081.09998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	452.589996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.119995

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1270.94995	1270.94995	✔
VehDyn_MinOffset_HwDeg_M_f32	557.549988	557.549988	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49676108	1.49676108 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1736795392	1736795392	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-180.329956	-180.330002 ± 0.1	✔

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

Test Step 2.217 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.200012	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.2000008	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.1999969	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000939999998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000939999998	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.5	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45.5999985	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.5	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.5999985	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000739999989	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000472000014	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.099998
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.36000002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000939999998
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1267.05005
VehDyn_MinOffset_HwDeg_M_f32	-604.950012
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000472999993
VehDyn_SLPHwAuth_Uls_M_f32	0.234999999
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	5.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	16445
k_SysKinRatio_MtrDegpHwDeg_f32	88.4499969
k_TravelXCDeadband_Uls_f32	34.2900009
k_TravelXCHwAuthority_Uls_f32	0.243249997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	34
target_GetSystemTime_mS_u32_CurrentTime	3533260288
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTi mS u32 ElapsedTi	2644937728
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-531.27002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	893.026001
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	324.5
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	448.100006
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1000
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.309998

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✓
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006 ± 0.0009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	893.026001	893.026001	✔
VehDyn_MinOffset_HwDeg_M_f32	-531.27002	-531.27002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60182357	-1.60182357 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3437401088	3437401088	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1248.95996	1248.95996 ± 0.1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32		1	✔
Autocenter_f32	1	Autocenter_f32		1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32		1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached		1	✔

Test Step 2.218 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	580.200012	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.1999969	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1999998	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.1999969	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000907999987	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
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	-1482.09998	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000707999978	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000407999993
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	138.100006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	196
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.2000008
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.03999976e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000907999987
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	797.700012
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1287.68604
VehDyn_MinOffset_HwDeg_M_f32	-517.590027
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000456999987
VehDyn_SLPHwAuth_Uls_M_f32	0.0909999982
VehDyn_SLPHwPos_HwDeg_M_f32	1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	110169728
k_HiSpdVDAuthority_Uls_f32	0.99000001
k_HwTqMgnThd_HwNm_f32	9.10000038
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1385
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	982.130005
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-3.6400001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	325.5
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1482.09998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	298.690002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
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	328928812	328928812	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812	328928812	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1482.09998	-1482.09998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	982.130005	982.130005	✔
VehDyn_MinOffset_HwDeg_M_f32	-360	-360	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19688082	3.19688082 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	110169728	110169728	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.99000001	0.99000001 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.219 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.299988
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	164464918
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000944000029
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029
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

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000744000019
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000479999988
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.40000032e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000944000029
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1259.25
VehDyn_MinOffset_HwDeg_M_f32	-631.830017
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000475000008
VehDyn_SLPHwAuth_Uls_M_f32	0.252999991
VehDyn_SLPHwPos_HwDeg_M_f32	0
VehDyn_SrlHwAgVldTimer_mS_M_u32	2024341760
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	7.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	4891
k_SysKinRatio_MtrDegpHwDeg_f32	32.5
k_TravelXCDeadband_Uls_f32	40.5699997
k_TravelXCHwAuthority_Uls_f32	0.267749995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	55466
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2059598336
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	463842816
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-546.710022
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	881.888
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.61999989
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-147.600006
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1210.59998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	10
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.329987

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	164464918	164464918	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	164464918	164464918	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-328.711975	-328.712006	✔
VehDyn_MinOffset_HwDeg_M_f32	-631.830017	-631.830017	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7889938	17.7889957 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2024341760	2024341760	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	10	10 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.220 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	570.200012	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.1999969	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.2000008	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	49475	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22037	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000945999986	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000945999986	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.5	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	88.0999985	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.0999985	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000745999976
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000483999989
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	75.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	18.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	45.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	219286216
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.41999975e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000945999986
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1255.34998
VehDyn_MinOffset_HwDeg_M_f32	-645.27002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000475999987
VehDyn_SLPHwAuth_Uls_M_f32	0.261999995
VehDyn_SLPHwPos_HwDeg_M_f32	1456.47998
VehDyn_SrlHwAgVldTimer_mS_M_u32	2056644736
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	8.10000038
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	91986
k_SysKinRatio_MtrDegpHwDeg_f32	52.7000008
k_TravelXCDeadband_Uls_f32	43.7099991
k_TravelXCHwAuthority_Uls_f32	0.280000001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	123
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	800969984
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-554.429993
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	876.31897
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.73000002
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.5999985
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-10.3400002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	156.479996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	489.125

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✓

TEST DETAILS REPORT

VehDyn_Per1

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

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	219286216	219286216	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	876.31897	876.31897	✔
VehDyn_MinOffset_HwDeg_M_f32	-554.429993	-554.429993	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-6.99947119	-6.99947119 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2056644736	2056644736	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	490.790009	490.790009 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.221 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	497.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.0999985
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	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000948000001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000948000001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.5999985

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000747999991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000487999991
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.29999995
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	78.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4399999e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000948000001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-401.220001
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1251.44995
VehDyn_MinOffset_HwDeg_M_f32	-658.710022
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000476999994
VehDyn_SLPHwAuth_Uls_M_f32	0.270999998
VehDyn_SLPHwPos_HwDeg_M_f32	-147.25
VehDyn_SrlHwAgVldTimer_mS_M_u32	963095040
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	9.10000038
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	12
k_SysKinRatio_MtrDegpHwDeg_f32	10.3999996
k_TravelXCDeadband_Uls_f32	46.8499985
k_TravelXCHwAuthority_Uls_f32	0.292250007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344
target_GetSystemTime_mS_u32_CurrentTime	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedT	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-562.150024
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	870.75
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.84000015
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75.5
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-6.48000002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-147.25
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001

Name	Input Value		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.040009		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	463842816	463842816	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-6.48000002	-6.48000002 ± 0.000009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	877.22998	877.22998	✔
VehDyn_MinOffset_HwDeg_M_f32	-555.670044	-555.669983	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29443407	6.29443407 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	963095040	963095040	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-147.25	-147.25 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.222 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	31.2000008	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.1999969	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.19999981	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	56.2000008	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53759	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000950000016	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000950000016	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	66.3300018
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	12.2299995
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	45.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000750000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000492000021
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	126.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	5.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.46000005e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000950000016
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-301.309998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1247.55005
VehDyn_MinOffset_HwDeg_M_f32	-672.150024
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000478000002
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-154.25
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.119999997
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	45
k_SysKinRatio_MtrDegpHwDeg_f32	25.4500008
k_TravelXCDeadband_Uls_f32	49.9900017
k_TravelXCHwAuthority_Uls_f32	0.304500014
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
target_GetSystemTime_mS_u32_CurrentTime	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2942063360
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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

Name	Input Value		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-444.170013		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-154.25		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	75.0699997		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	328928812	328928812	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	328928812	328928812	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.170013	-444.170013 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	865.18103	865.18103	✔
VehDyn_MinOffset_HwDeg_M_f32	-569.869995	-569.869995	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.189806	15.189806 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1117112832	1117112832	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-598.420044	-598.419983 ± 0.1	✔

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

Test Step 2.223 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.199997	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.2000008	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000951999973	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	341
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000752000022
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000495999993
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.29999995
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4800002e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-201.399994
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1243.65002
VehDyn_MinOffset_HwDeg_M_f32	-685.590027
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000479000009
VehDyn_SLPHwAuth_Uls_M_f32	1
VehDyn_SLPHwPos_HwDeg_M_f32	45.7999992
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	5.44999981
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	65
k_SysKinRatio_MtrDegpHwDeg_f32	86.5
k_TravelXCDeadband_Uls_f32	53.1300011
k_TravelXCHwAuthority_Uls_f32	0.31674999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832
target_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4077829376
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-577.590027
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	859.612

Name	Input Value		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.25		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1146.91003		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	45.7999992		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.9899979		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-287.298035	-287.298004	✔
VehDyn_MinOffset_HwDeg_M_f32	-685.590027	-685.590027	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9961948	13.9961948 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1348.31006	1348.31006 ± 0.1	✔

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

Test Step 2.224 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.199997	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.0999985	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159.600006
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.6000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	412.700012
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.6999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	14442
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	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	391.029999
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688
k_HiSpdVDAuthority_Uls_f32	0.899999976
k_HwTqMgnThd_HwNm_f32	6.32000017
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	112
k_SysKinRatio_MtrDegpHwDeg_f32	63.2999992
k_TravelXCDeadband_Uls_f32	56.2700005
k_TravelXCHwAuthority_Uls_f32	0.328999996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	71426560
target_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32

Name	Input Value
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-585.309998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	854.04303
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.40999985
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456.100006
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1459.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	391.029999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230.139999

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	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	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1459.40002	-1459.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-1239.75	-1239.75	✔
VehDyn_MinOffset_HwDeg_M_f32	874.090027	874.090027	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50234127	1.50234127 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.899999976	0.899999976 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

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

Test Step 2.225 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.099998	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30404	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000847999996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000847999996
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000636000012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000264000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.599998
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	124.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.5999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.6999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000847999996
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	863.366028
VehDyn_MinOffset_HwDeg_M_f32	-777.437988
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000421000004
VehDyn_SLPHwAuth_Uls_M_f32	0.589999974
VehDyn_SLPHwPos_HwDeg_M_f32	-573.409973
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32	86.0999985
k_TravelXCDeadband_Uls_f32	67.2399979
k_TravelXCHwAuthority_Uls_f32	0.136675
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2269150976
target_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-818.409973
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1422.08105
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	267.709991
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-573.409973
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	135.139999

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1422.08105	1422.08105	✔
VehDyn_MinOffset_HwDeg_M_f32	-818.409973	-818.409973	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79913568	7.79913568 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.226 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	138.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.20000005
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000850000011
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000850000011
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000638000027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000268000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.699997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.70000005
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53999993e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000850000011
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.09998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	868.357971
VehDyn_MinOffset_HwDeg_M_f32	-770.754028
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000422000012
VehDyn_SLPHwAuth_Uls_M_f32	0.606999993
VehDyn_SLPHwPos_HwDeg_M_f32	-563.150024
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	744
k_SysKinRatio_MtrDegpHwDeg_f32	96.3000031
k_TravelXCDeadband_Uls_f32	66.2099991
k_TravelXCHwAuthority_Uls_f32	0.137899995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3533260288
target_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-812.150024
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1416.51196
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-293.049988
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-563.150024
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.75

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1416.51196	1416.51196	✔
VehDyn_MinOffset_HwDeg_M_f32	-812.150024	-812.150024	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20116019	3.20116019 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	707.049988	707.049988 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.227 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.199997

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000852000026
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000852000026
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	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000639999984
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000272000005
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	98.8000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.3000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.8000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.56000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000852000026
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	873.349976
VehDyn_MinOffset_HwDeg_M_f32	-764.070007
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00042299999
VehDyn_SLPHwAuth_Uls_M_f32	0.624000013
VehDyn_SLPHwPos_HwDeg_M_f32	-552.890015
VehDyn_SrlHwAgVldTimer_mS_M_u32	1312298240
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	9.19999981
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	700
k_SysKinRatio_MtrDegpHwDeg_f32	32.5
k_TravelXCDeadband_Uls_f32	65.1800003
k_TravelXCHwAuthority_Uls_f32	0.139125004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
target_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_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	-805.890015
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1410.94299
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.19999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1009.29999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-627.179993
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-552.890015
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.109985

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	873.349976	873.349976	✔
VehDyn_MinOffset_HwDeg_M_f32	-178.710022	-178.710007	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79938316	7.79938316 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1312298240	1312298240	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-627.179993	-627.179993 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.228 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime

Name	Input Value
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.100006
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	16683
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
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	-177.479996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000853999984
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000853999984
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	44.4000015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	176
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	9.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	34738
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36612
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000641999999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000276000006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	78.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	226.800003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.29999995
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	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.37999983e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012
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_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1200.25
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	878.34198
VehDyn_MinOffset_HwDeg_M_f32	-757.385986
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000423999998
VehDyn_SLPHwAuth_Uls_M_f32	0.640999973
VehDyn_SLPHwPos_HwDeg_M_f32	-542.630005
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192
k_HiSpdVDAuthority_Uls_f32	0.300000012
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	45.0999985
k_TravelXCDeadband_Uls_f32	64.1500015
k_TravelXCHwAuthority_Uls_f32	0.140349999
target_DtrmnElapsedTime_mS_u32_ElapsedTime	812314880
target_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2075080192

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-799.630005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1405.37402
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.539993
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-177.479996
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-542.630005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	126.220001

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1117112832	1117112832	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	878.34198	878.34198	✔
VehDyn_MinOffset_HwDeg_M_f32	-622.150024	-622.150024	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39501476	-5.39501476 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1377.72998	-1377.72998 ± 0.1	✔

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

Test Step 2.229 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	

Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	44.4000015
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.399994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000855999999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000855999999
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
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	186.399994
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000644000014
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000280000007
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	88.3000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	97.3000031
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.39999998e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000855999999
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	883.333984
VehDyn_MinOffset_HwDeg_M_f32	-750.702026
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000425000006
VehDyn_SLPHwAuth_Uls_M_f32	0.657999992
VehDyn_SLPHwPos_HwDeg_M_f32	-532.369995
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031
k_TravelXCDeadband_Uls_f32	63.1199989
k_TravelXCHwAuthority_Uls_f32	0.141574994
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3345084416
target_GetSystemTime_mS_u32_CurrentTime	1736795392

Name	Input Value
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-793.369995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1399.80505
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.5999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	731.700012
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-532.369995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.98999

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1736795392	1736795392	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1736795392	1736795392	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4290967295	4290967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1399.80505	1399.80505	✔
VehDyn_MinOffset_HwDeg_M_f32	-793.369995	-793.369995	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59961939	7.59961939 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	954802432	954802432	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-868.299988	-868.299988 ± 0.1	✔

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

Test Step 2.230 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	96.0999985
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	176.100006
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000858000014
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100.199997
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	196
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000645999971
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000284000009
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	94.1999969
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	246.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.42000014e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000858000014
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1000.12
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	888.325989
VehDyn_MinOffset_HwDeg_M_f32	-744.018005
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000426000013
VehDyn_SLPHwAuth_Uls_M_f32	0.675000012
VehDyn_SLPHwPos_HwDeg_M_f32	-522.109985
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	703
k_SysKinRatio_MtrDegpHwDeg_f32	96.5

Name	Input Value
k_TravelXCDeadband_Uls_f32	62.0900002
k_TravelXCHwAuthority_Uls_f32	0.142800003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2704864000
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-787.109985
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1394.23596
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-968.400024
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-522.109985
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.39999962
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	452.359985

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3437401088	3437401088	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1394.23596	1394.23596	✔
VehDyn_MinOffset_HwDeg_M_f32	-787.109985	-787.109985	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.50222075	1.50222075 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.675000012	0.675000012 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1490.51001	-1490.51001 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.231 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	100.300003
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	186.300003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.3000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
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	3589476707
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000647999987
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00028800001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	126.300003
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	123.300003
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3589476707
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.44000029e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859999971
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.56006
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_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000426999992
VehDyn_SLPHwAuth_Uls_M_f32	0.691999972
VehDyn_SLPHwPos_HwDeg_M_f32	-511.850006
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	6.5
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	9000

Name	Input Value
k_SysKinRatio_MtrDegpHwDeg_f32	32.0999985
k_TravelXCDeadband_Uls_f32	61.0600014
k_TravelXCHwAuthority_Uls_f32	0.144024998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	662694400
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-780.849976
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1388.66699
target_VehDyn_Per1_HwTorque_HwNm_f32.value	7
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.98999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	49.4199982
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-511.850006
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	423.769989

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982 ± 0.00009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	893.317993	893.317993	✔
VehDyn_MinOffset_HwDeg_M_f32	-737.333984	-737.333984	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.59626269	-1.59626257 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_u32	824746752	824746752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1249.9801	1249.97998 ± 0.1	✔

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

Test Step 2.232 (Repeat Count = 1)	✔
Name	**Input Value**
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	226.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.5
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	53.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	100.400002
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	206.100006
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	7.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	85.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00071599998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000423999998
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_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	100.400002
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	236.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.4000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.11999965e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00091599999
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1197.33997
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1

Name	Input Value
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-544.469971
VehDyn_PinTrqSV_M_str.SV_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1000
k_SysKinRatio_MtrDegpHwDeg_f32	96.5
k_TravelXCDeadband_Uls_f32	40.5699997
k_TravelXCHwAuthority_Uls_f32	0.245700002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2728878080
target_GetSystemTime_mS_u32_CurrentTime	2430672128
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	309385728
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-438.630005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	959.854004
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.07999992
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	88.0999985
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1397.33997
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	339.730011
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.89999998
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	52.8800011

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2430672128	2430672128	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_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	-2840	-2840	✔
VehDyn_MinOffset_HwDeg_M_f32	958.709961	958.710022	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60115242	-1.6011523 ± 0.000009	✔

Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	309385728	309385728	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.127000004	0.127000004 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1057.60999	-1057.60999 ± 0.1	✔

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

Test Step 2.233 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	533.099976	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	236.100006	
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	33198	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000918000005	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000918000005	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124.5	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216.539993	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.19999981	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	38868	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	57944	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000717999996	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000427999999	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.400002	
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	2760420809	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.1399998e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	
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_ForceCenterEnabled_Cnt_M_lgc	1	
VehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25	

Name	Input Value
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999
VehDyn_MinOffset_HwDeg_M_f32	-551.190002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000461999996
VehDyn_SLPHwAuth_Uls_M_f32	0.136000007
VehDyn_SLPHwPos_HwDeg_M_f32	349.98999
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984
k_HiSpdVDAuthority_Uls_f32	0.670000017
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	20045
k_SysKinRatio_MtrDegpHwDeg_f32	32.5400009
k_TravelXCDeadband_Uls_f32	42.1399994
k_TravelXCHwAuthority_Uls_f32	0.246924996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752
target_GetSystemTime_mS_u32_CurrentTime	2242866176
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_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	-446.350006
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	954.284973
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.19000006
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-75
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-913.679993
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	349.98999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	128

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2242866176	2242866176	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2242866176	2242866176	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_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	✔

Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	467.329987	467.329987	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.794982	-14.794982 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2659241984	2659241984	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

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

Test Step 2.234 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.4000015	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.4000015	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.3000031	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	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	1024	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991	
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1172.87
VehDyn_MinOffset_HwDeg_M_f32	-363.029999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989
VehDyn_SLPHwAuth_Uls_M_f32	0.275999993
VehDyn_SLPHwPos_HwDeg_M_f32	62.7099991
VehDyn_SrlHwAgVldTimer_mS_M_u32	622666624
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	0.899999976
k_SrlHwAgVldTiThd_mS_u32	951
k_SysKinRatio_MtrDegpHwDeg_f32	63.3199997
k_TravelXCDeadband_Uls_f32	3.38000011
k_TravelXCHwAuthority_Uls_f32	0.212624997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728
target_GetSystemTime_mS_u32_CurrentTime	2269150976
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.290009
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1076.80298
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.11000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-714.090027
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2269150976	2269150976	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1172.87	1172.87	✔
VehDyn_MinOffset_HwDeg_M_f32	283.800018	283.799988	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49870157	1.49870157 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	622666624	622666624	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
Autocenter_f32	1	Autocenter_f32	1	✔	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔	
Autocenter_f32	1	Autocenter_f32	1	✔	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔	
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.235 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.099976	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.0999985	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000958000019	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000958000019	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.7999992	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.4499969	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000758000009	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	456.799988	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.8000031	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.8000031	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53999993e-005	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000958000019
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1397.16003
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1177.86206
VehDyn_MinOffset_HwDeg_M_f32	-369.75
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000482000003
VehDyn_SLPHwAuth_Uls_M_f32	0.256999999
VehDyn_SLPHwPos_HwDeg_M_f32	72.9700012
VehDyn_SrlHwAgVldTimer_mS_M_u32	745122048
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	4856
k_SysKinRatio_MtrDegpHwDeg_f32	54.2999992
k_TravelXCDeadband_Uls_f32	2.3499999
k_TravelXCHwAuthority_Uls_f32	0.213850006
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008
target_GetSystemTime_mS_u32_CurrentTime	3533260288
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3039943680
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-424.029999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1071.23401
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.22000003
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.109985
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	110.5
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1200.09998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.220001

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	110.5	110.5 ± 0.0009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	960.734009	960.734009	✔
VehDyn_MinOffset_HwDeg_M_f32	-369.75	-369.75	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39797401	-5.39797354 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	745122048	745122048	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1200.09998	-1200.09998 ± 0.1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached		1	✔

Test Step 2.236 (Repeat Count = 1)	✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	600.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	64.1999969
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2000008
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	38708
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000959999976
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000959999976
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566.799988
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	75.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000760000024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000511999999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_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	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	566.900024
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.9000015
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	8.89999962
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.9000015
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53759
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	18715
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.56000009e-005

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000959999976
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1497.06995
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1182.854
VehDyn_MinOffset_HwDeg_M_f32	-376.470001
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.5999999
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483000011
VehDyn_SLPHwAuth_Uls_M_f32	0.238000005
VehDyn_SLPHwPos_HwDeg_M_f32	83.2300034
VehDyn_SrlHwAgVldTimer_mS_M_u32	1480487040
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	90
k_SysKinRatio_MtrDegpHwDeg_f32	41.0999985
k_TravelXCDeadband_Uls_f32	1.32000005
k_TravelXCHwAuthority_Uls_f32	0.215075001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624
target_GetSystemTime_mS_u32_CurrentTime	812314880
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1736795392
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_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	-417.769989
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1065.66504
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.33000004
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.440002
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1014.73999
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	0
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	5.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	120.410004

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	812314880	812314880	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
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	2160073393	2160073393	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1014.73999	-1014.73999 ± 0.009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1065.66504	1065.66504	✔
VehDyn_MinOffset_HwDeg_M_f32	-417.769989	-417.769989	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.59575272	7.59575272 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1480487040	1480487040	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.237 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.300003
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.2999992
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3000002
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.2999992
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86.9000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
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	-284.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
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

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	1596.97998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1187.84595
VehDyn_MinOffset_HwDeg_M_f32	-383.190002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989
VehDyn_SLPHwAuth_Uls_M_f32	0.218999997
VehDyn_SLPHwPos_HwDeg_M_f32	93.4899979
VehDyn_SrlHwAgVldTimer_mS_M_u32	307663360
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	5.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	63.2000008
k_TravelXCDeadband_Uls_f32	2.8900001
k_TravelXCHwAuthority_Uls_f32	0.216299996
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312
target_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3437401088
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-411.51001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1060.09595
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.44000006
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-284.299988
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1000.25
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-284.299988	-284.299988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1060.09595	1060.09595	✔
VehDyn_MinOffset_HwDeg_M_f32	-411.51001	-411.51001	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49854183	1.49854183 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	307663360	307663360	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.218999997	0.218999997 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-190.809998	-190.809998 ± 0.1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.238 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	34.0999985	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.1000004	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	88.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	18715	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000964000006	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000964000006	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	10.1000004	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	45.7999992	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18.3999996	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	42.2999992	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	29076	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	43868	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000763999997	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000520000001	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	10.6000004	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	116.599998	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	12.6000004	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	53.5999985	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.51999978e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000964000006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1297.25
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1192.83801
VehDyn_MinOffset_HwDeg_M_f32	-389.910004
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000002
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000484999997
VehDyn_SLPHwAuth_Uls_M_f32	0.200000003
VehDyn_SLPHwPos_HwDeg_M_f32	103.75
VehDyn_SrlHwAgVldTimer_mS_M_u32	1095910784
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	6.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	88.8000031
k_TravelXCDeadband_Uls_f32	4.46000004
k_TravelXCHwAuthority_Uls_f32	0.217525005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	954802432
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3494315776
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-405.25
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1054.52698
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.54999995
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	987.5
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1259.78003
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	245.641006

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
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	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3494315776	3494315776	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.78003	1259.78003 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-1192.83801	-1192.83801	✔
VehDyn_MinOffset_HwDeg_M_f32	-389.910004	-389.910004	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-1.60000253	-1.60000253 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1095910784	1095910784	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-37.4699707	-37.4700012 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.239 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
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
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000661999977
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
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_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	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	2345892860
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000248700002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
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

Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	3.70000005		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	85.3000031		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	33198		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	7778		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.73999995e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000661999977		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	399.109985		
VehDyn_MinOffset_HwDeg_M_f32	-1399.05005		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.8000002		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000257000007		
VehDyn_SLPHwAuth_Uls_M_f32	0.897000015		
VehDyn_SLPHwPos_HwDeg_M_f32	-1527.58997		
VehDyn_SrlHwAgVldTimer_mS_M_u32	463842816		
k_HiSpdVDAuthority_Uls_f32	0.123000003		
k_HwTqMgnThd_HwNm_f32	0		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	3229		
k_SysKinRatio_MtrDegpHwDeg_f32	96.3000031		
k_TravelXCDeadband_Uls_f32	9.89000034		
k_TravelXCHwAuthority_Uls_f32	0.0227499995		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344		
target_GetSystemTime_mS_u32_CurrentTime	463842816		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2728878080		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	463842816		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1400.58997		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	440.682007		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.5		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753.570007		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	267.709991		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1527.58997		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.60000002		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_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	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	463842816	463842816	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3589476707	3589476707	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	172.972015	172.972	✔
VehDyn_MinOffset_HwDeg_M_f32	-1399.05005	-1399.05005	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-14.7947874	-14.7947874 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	463842816	463842816	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.123000003	0.123000003 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

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

Test Step 2.240 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	75.0999985	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	88.0999985	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000663999992	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000663999992	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.0999985	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.2999992	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000289399992	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000793999992	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	

Name	Input Value		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	75.5		
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.8000031		
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.5		
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.8000031		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21335		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	34188		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.78000007e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000663999992		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002		
VehDyn_HiSpdLearnt_Cnt_M_lgc	0		
VehDyn_Initialize_Cnt_M_lgc	0		
VehDyn_LoSpdLearnt_Cnt_M_lgc	0		
VehDyn_MaxOffset_HwDeg_M_f32	404.10199		
VehDyn_MinOffset_HwDeg_M_f32	-1392.36597		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.7999992		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000257999985		
VehDyn_SLPHwAuth_Uls_M_f32	0.882000029		
VehDyn_SLPHwPos_HwDeg_M_f32	-1517.32996		
VehDyn_SrlHwAgVldTimer_mS_M_u32	1463935616		
k_HiSpdVDAuthority_Uls_f32	0.637000024		
k_HwTqMgnThd_HwNm_f32	10		
k_LoSpdVDAuthority_Uls_f32	0		
k_SrlHwAgVldTiThd_mS_u32	987		
k_SysKinRatio_MtrDegpHwDeg_f32	32.5		
k_TravelXCDeadband_Uls_f32	11.3299999		
k_TravelXCHwAuthority_Uls_f32	0.0239749998		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504		
target_GetSystemTime_mS_u32_CurrentTime	1759885568		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1759885568		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1394.32996		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	451.588989		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.30000019		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	159.455994		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-293.049988		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1517.32996		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	35.8899994		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1759885568	1759885568	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	451.588989	451.588989	✓
VehDyn_MinOffset_HwDeg_M_f32	-1394.32996	-1394.32996	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	17.79356	17.79356 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	1463935616	1463935616	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	607.720032	607.719971 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 2.241 (Repeat Count = 1)		✓
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	98.5	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	76.5	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	2.5	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	32.5	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	12258	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	36416	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000666000007	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000666000007	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	75.5	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	86.5	
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	2760420809	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000330100011	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000796000008	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	98.8000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	76.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	2.79999995
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.82000001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000666000007
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	409.093994
VehDyn_MinOffset_HwDeg_M_f32	-1385.68201
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000258999993
VehDyn_SLPHwAuth_Uls_M_f32	0.866999984
VehDyn_SLPHwPos_HwDeg_M_f32	-1507.06995
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408
k_HiSpdVDAuthority_Uls_f32	0.278719991
k_HwTqMgnThd_HwNm_f32	5.4000001
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	16445
k_SysKinRatio_MtrDegpHwDeg_f32	52.2999992
k_TravelXCDeadband_Uls_f32	12.7700005
k_TravelXCHwAuthority_Uls_f32	0.0252
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	309385728
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1388.06995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	462.496002
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-7.0999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100.45801
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-627.179993
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1507.06995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	36.4199982

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✓
VehDyn_MaxOffset_HwDeg_M_f32	462.496002	462.496002	✓
VehDyn_MinOffset_HwDeg_M_f32	-1388.06995	-1388.06995	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-7.00006962	-7.00006962 ± 0.000009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408	1662097408	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	173.679993	173.679993 ± 0.1	✓

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

Test Step 2.242 (Repeat Count = 1)		✓
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.199997	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.2000008	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000951999973	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	341	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.1999969	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.1999969	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000752000022	

Name	Input Value		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003		
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000495999993		
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1		
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.0999985		
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	32.0999985		
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195		
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037		
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110		
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.4800002e-005		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003		
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000951999973		
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1		
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0		
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1		
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1		
VehDyn_ForceCenterOffset_HwDeg_M_f32	-201.399994		
VehDyn_HiSpdLearnt_Cnt_M_lgc	1		
VehDyn_Initialize_Cnt_M_lgc	1		
VehDyn_LoSpdLearnt_Cnt_M_lgc	1		
VehDyn_MaxOffset_HwDeg_M_f32	1243.65002		
VehDyn_MinOffset_HwDeg_M_f32	-685.590027		
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14		
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000479000009		
VehDyn_SLPHwAuth_Uls_M_f32	1		
VehDyn_SLPHwPos_HwDeg_M_f32	45.7999992		
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208		
k_HiSpdVDAuthority_Uls_f32	1		
k_HwTqMgnThd_HwNm_f32	0.0500000007		
k_LoSpdVDAuthority_Uls_f32	1		
k_SrlHwAgVldTiThd_mS_u32	65		
k_SysKinRatio_MtrDegpHwDeg_f32	86.5		
k_TravelXCDeadband_Uls_f32	53.1300011		
k_TravelXCHwAuthority_Uls_f32	0.31674999		
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832		
target_GetSystemTime_mS_u32_CurrentTime	1662097408		
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4077829376		
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2127166208		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32		
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-577.590027		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	859.612		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.25		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1146.91003		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	45.7999992		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.9899979		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1662097408	1662097408	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1146.91003	1146.91003 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-287.298035	-287.298004	✔
VehDyn_MinOffset_HwDeg_M_f32	-685.590027	-685.590027	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9961948	13.9961948 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1348.31006	1348.31006 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.243 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	66.9000015
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.9000015
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.9000001
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.9000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000668000022
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000668000022
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	98.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	6.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.0003708
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000798000023
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	66.0999985
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	29076
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	43868
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.85999995e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996
VehDyn_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_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-700.950012
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	414.085999
VehDyn_MinOffset_HwDeg_M_f32	-1378.99805
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000260000001
VehDyn_SLPHwAuth_Uls_M_f32	0.851999998
VehDyn_SLPHwPos_HwDeg_M_f32	-1496.81006
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	0.277799994
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	0
k_SysKinRatio_MtrDegpHwDeg_f32	41.5
k_TravelXCDeadband_Uls_f32	14.21
k_TravelXCHwAuthority_Uls_f32	0.0264250003
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
target_GetSystemTime_mS_u32_CurrentTime	3304439296
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1381.81006
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	473.403015
target_VehDyn_Per1_HwTorque_HwNm_f32.value	8.85000038
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-177.479996
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1496.81006
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	38.8800011

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	414.085999	414.085999	✔
VehDyn_MinOffset_HwDeg_M_f32	-1204.33008	-1204.32996	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30071831	6.30071831 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	523.470032	523.469971 ± 0.1	✔

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

Test Step 2.244 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.7999992	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	96.8000031	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	6.80000019	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.7999992	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	32821	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	53946	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000669999979	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	665	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.5	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	63.4000015	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00041149999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00079999998
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.2000008
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	96.0999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.19999981
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	41.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	32821
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	53946
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.90000007e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000669999979
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978
VehDyn_HiSpdLearnt_Cnt_M_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
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1999998
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000261000008
VehDyn_SLPHwAuth_Uls_M_f32	0.837000012
VehDyn_SLPHwPos_HwDeg_M_f32	-1486.55005
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680
k_HiSpdVDAuthority_Uls_f32	0.272780001
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	100000
k_SysKinRatio_MtrDegpHwDeg_f32	63.0999985
k_TravelXCDeadband_Uls_f32	15.6499996
k_TravelXCHwAuthority_Uls_f32	0.0276500005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3039943680
target_GetSystemTime_mS_u32_CurrentTime	2167769344
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2942063360
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1375.55005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	484.309998
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.10000038
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	154.199997
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	731.700012
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1486.55005
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	0
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	45.7900009

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	1024	1024	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-247.390015	-247.389999	✔
VehDyn_MinOffset_HwDeg_M_f32	-1372.31396	-1372.31396	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1936579	15.1936579 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1332.73999	1332.73999 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.245 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	2.0999999
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000671999995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000671999995
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116.099998
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	18

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	2291
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58929
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000452200009
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000801999995
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.0999999
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	106.199997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	63.2000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	40437
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	13059
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3382212733
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.94000001e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000671999995
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-501.130005
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	424.070007
VehDyn_MinOffset_HwDeg_M_f32	-1365.63
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000261999987
VehDyn_SLPHwAuth_Uls_M_f32	0.822000027
VehDyn_SLPHwPos_HwDeg_M_f32	-1476.29004
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	0.899999976
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	500
k_SysKinRatio_MtrDegpHwDeg_f32	88.3000031
k_TravelXCDeadband_Uls_f32	17.0900002
k_TravelXCHwAuthority_Uls_f32	0.0288750008
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1316564736
target_GetSystemTime_mS_u32_CurrentTime	3714197504
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1369.29004
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	495.21701
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.299988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-968.400024
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1476.29004
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.4000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1

Name	Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	456.140015		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3382212733	3382212733	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	495.21701	495.21701	✔
VehDyn_MinOffset_HwDeg_M_f32	-1369.29004	-1369.29004	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9977865	13.9977865 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.822000027	0.822000027 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

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

Test Step 2.246 (Repeat Count = 1)		✔
Name	Input Value	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	124.099998	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	206.100006	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.0999999	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	97.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	30404	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	30349	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000847999996	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000847999996	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	138
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	52.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	34188
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	267.709991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000636000012
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000264000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	100.599998
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	124.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.5999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.6999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000847999996
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	863.366028
VehDyn_MinOffset_HwDeg_M_f32	-777.437988
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000421000004
VehDyn_SLPHwAuth_Uls_M_f32	0.589999974
VehDyn_SLPHwPos_HwDeg_M_f32	-573.409973
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32	86.0999985
k_TravelXCDeadband_Uls_f32	67.2399979
k_TravelXCHwAuthority_Uls_f32	0.136675
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2269150976
target_GetSystemTime_mS_u32_CurrentTime	2659241984
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-818.409973
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1422.08105
target_VehDyn_Per1_HwTorque_HwNm_f32.value	5.80000019
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1100
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	267.709991

Name	Input Value		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-573.409973		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	135.139999		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2659241984	2659241984	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3796740682	3796740682	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1422.08105	1422.08105	✔
VehDyn_MinOffset_HwDeg_M_f32	-818.409973	-818.409973	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79913568	7.79913568 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔

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

Test Step 2.247 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	138.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	216.199997	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	1.20000005	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	86.1999969	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	10412	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000850000011	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000850000011	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	86.1999969
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	166
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	41
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000638000027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000268000003
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	124.699997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	216.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.70000005
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	88.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.53999993e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000850000011
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.09998
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	868.357971
VehDyn_MinOffset_HwDeg_M_f32	-770.754028
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000422000012
VehDyn_SLPHwAuth_Uls_M_f32	0.606999993
VehDyn_SLPHwPos_HwDeg_M_f32	-563.150024
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.5
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	744
k_SysKinRatio_MtrDegpHwDeg_f32	96.3000031
k_TravelXCDeadband_Uls_f32	66.2099991
k_TravelXCHwAuthority_Uls_f32	0.137899995
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3533260288
target_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-812.150024
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1416.51196
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6

Name	Input Value
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-897.599976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-293.049988
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-563.150024
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	354.75

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2942063360	2942063360	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	1416.51196	1416.51196	✔
VehDyn_MinOffset_HwDeg_M_f32	-812.150024	-812.150024	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20116019	3.20116019 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	707.049988	707.049988 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.248 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	498.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	156.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	3.20000005
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.2000008
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000852000026
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000852000026
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	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000639999984
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000272000005
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	98.8000031
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	88.3000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	10.8000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.2999992
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	38868
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	57944
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	274107514
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.56000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000852000026
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	0
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	873.349976
VehDyn_MinOffset_HwDeg_M_f32	-764.070007
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00042299999
VehDyn_SLPHwAuth_Uls_M_f32	0.624000013
VehDyn_SLPHwPos_HwDeg_M_f32	-552.890015
VehDyn_SrlHwAgVldTimer_mS_M_u32	2554689
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	9.19999981
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	700
k_SysKinRatio_MtrDegpHwDeg_f32	32.5
k_TravelXCDeadband_Uls_f32	65.1800003
k_TravelXCHwAuthority_Uls_f32	0.139125004
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
target_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-805.890015
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1410.94299
target_VehDyn_Per1_HwTorque_HwNm_f32.value	6.19999981
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1009.29999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-627.179993
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-552.890015
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	398.109985

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	274107514	274107514	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2075080192	2075080192	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	873.349976	873.349976	✔
VehDyn_MinOffset_HwDeg_M_f32	-178.710022	-178.710007	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79938316	7.79938316 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2554689	2554689	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-627.179993	-627.179993 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.249 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.0999985	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000982000027
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000982000027
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.4000015
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.6000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78.8000031
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000782000017
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000555999984
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.5
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.5
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.5
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.78000031e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000982000027
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-201.399994
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1237.76599
VehDyn_MinOffset_HwDeg_M_f32	-450.390015
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000493999978
VehDyn_SLPHwAuth_Uls_M_f32	0.0289999992
VehDyn_SLPHwPos_HwDeg_M_f32	196.089996
VehDyn_SrlHwAgVldTimer_mS_M_u32	123
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	90
k_SysKinRatio_MtrDegpHwDeg_f32	86.2099991
k_TravelXCDeadband_Uls_f32	18.5900002
k_TravelXCHwAuthority_Uls_f32	0.228550002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	3304439296
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	123
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_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	-376.869995
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1004.40601
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.53999996
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.299988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1341.30005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	411.549988
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.9899979

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3304439296	3304439296	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_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	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1341.30005	1341.30005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_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	-336.894043	-336.894012	✔
VehDyn_MinOffset_HwDeg_M_f32	-450.390015	-450.390015	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9918575	13.9918575 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	123	123	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1542.70007	1542.69995 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.250 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.700012

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.699997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.6999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.6999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000984000042
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000984000042
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.53999996
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.599998
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.65400004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000783999974
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000560000015
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.5999999
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.5999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.79999973e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000984000042
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1242.75806
VehDyn_MinOffset_HwDeg_M_f32	-457.109985
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000494999986
VehDyn_SLPHwAuth_Uls_M_f32	0.00999999978
VehDyn_SLPHwPos_HwDeg_M_f32	206.350006
VehDyn_SrlHwAgVldTimer_mS_M_u32	54689
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	56.2999992
k_TravelXCDeadband_Uls_f32	20.1599998
k_TravelXCHwAuthority_Uls_f32	0.229774997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	2167769344
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	54689
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-384.589996
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	998.836975
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.6500001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1134.75
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	421.809998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	87.7699966

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	998.836975	998.836975	✔
VehDyn_MinOffset_HwDeg_M_f32	-384.589996	-384.589996	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89435196	8.89435196 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	54689	54689	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1033.26001	-1033.26001 ± 0.1	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.251 (Repeat Count = 1)   ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn

Name	Input Value
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.700012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.699997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.6999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.6999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1362.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000986000057
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1362.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000986000057
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120.599998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.0999985
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1362.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00078599999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1362.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000563999987
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	13.6000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1362.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.81999988e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1362.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000986000057
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1.58000004
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1247.75
VehDyn_MinOffset_HwDeg_M_f32	-463.829987
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000495999993
VehDyn_SLPHwAuth_Uls_M_f32	0.0189999994
VehDyn_SLPHwPos_HwDeg_M_f32	216.610001
VehDyn_SrlHwAgVldTimer_mS_M_u32	7858
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	456
k_SysKinRatio_MtrDegpHwDeg_f32	54.3100014
k_TravelXCDeadband_Uls_f32	21.7299995
k_TravelXCHwAuthority_Uls_f32	0.231000006
target_DtrmnElapsedTime_mS_u32_ElapsedTime	255468
target_GetSystemTime_mS_u32_CurrentTime	3714197504
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	7858
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-392.309998
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	993.268005
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.75999999
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.400024
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1362.80005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	432.070007
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.79999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1362.80005	1362.80005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1362.80005	1362.80005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1362.80005	1362.80005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1362.80005	1362.80005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3714197504	3714197504	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1362.80005	1362.80005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1362.80005	1362.80005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	993.268005	993.268005	✔
VehDyn_MinOffset_HwDeg_M_f32	-392.309998	-392.309998	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8917198	13.8917198 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	7858	7858	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1364.38	1364.38 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.252 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	290.100006
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	106.099998
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	10.1000004
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	54.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	13352
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	3277
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000987999956
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000987999956
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	34.0999985
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	96.0999985
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	10.6000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	78
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000788000005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000568000018
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	34.7000008
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.600006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	1
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	32.7000008
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	26195
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	22037
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.84000003e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000987999956
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	98.3300018
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1252.74194
VehDyn_MinOffset_HwDeg_M_f32	-470.549988
VehDyn_PinTrqSV_M_str.SV_Uls_f32	14
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000497000001
VehDyn_SLPHwAuth_Uls_M_f32	0.0280000009
VehDyn_SLPHwPos_HwDeg_M_f32	226.869995
VehDyn_SrlHwAgVldTimer_mS_M_u32	1363529728
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	3229
k_SysKinRatio_MtrDegpHwDeg_f32	86.3099976
k_TravelXCDeadband_Uls_f32	23.2999992
k_TravelXCHwAuthority_Uls_f32	0.232225001
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344

Name	Input Value
target_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	333
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-400.029999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	987.698975
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.86999989
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1259.69995
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	442.329987
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	99.9869995

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2760420809	2760420809	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1259.69995	1259.69995 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-272.000977	-272.001007	✔
VehDyn_MinOffset_HwDeg_M_f32	-470.549988	-470.549988	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.9916439	13.9916439 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1363529728	1363529728	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1161.37	1161.37 ± 0.1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
Autocenter_f32	1	Autocenter_f32	1	✔	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔	
Autocenter_f32	1	Autocenter_f32	1	✔	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔	
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.253 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_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
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000989999971
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000989999971
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.4000001
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.599998
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00079000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00057199999
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.4000001
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7.69999981
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	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.86000019e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000989999971
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_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	198.240005
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1257.73401
VehDyn_MinOffset_HwDeg_M_f32	-477.269989
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000498000009
VehDyn_SLPHwAuth_Uls_M_f32	0.0370000005
VehDyn_SLPHwPos_HwDeg_M_f32	237.130005
VehDyn_SrlHwAgVldTimer_mS_M_u32	1243638656
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	987
k_SysKinRatio_MtrDegpHwDeg_f32	56.2099991

Name	Input Value
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	12
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-407.75
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	982.130005
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.98000002
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1009.29999
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1593.90002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	452.589996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.9000001
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	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1593.90002	-1593.90002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1257.73401	1257.73401	✔
VehDyn_MinOffset_HwDeg_M_f32	1186.15002	1186.15002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89415359	8.89415359 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1243638656	1243638656	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.254 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.200012
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.199997
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.1999998
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.1999969
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000991999987
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000991999987
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	120.599998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	116.099998
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791999977
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00057600002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120.699997
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	13.6999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10.6999998
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.88000034e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000991999987
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	298.149994
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_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
VehDyn_SrlHwAgVldTimer_mS_M_u32	89763
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	702

Name	Input Value
k_SysKinRatio_MtrDegpHwDeg_f32	54.2099991
k_TravelXCDeadband_Uls_f32	26.4400005
k_TravelXCHwAuthority_Uls_f32	0.234675005
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832
target_GetSystemTime_mS_u32_CurrentTime	555468
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	89763
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_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
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	339.730011
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.79999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	555468	555468	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	555468	555468	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_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	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	89763	89763	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.255 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.399994
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	8.39999962
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	41.4000015
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25496
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000899999985
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_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
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.19999981
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	37799
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	41632
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000699999975
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.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	109643620
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.95999988e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899999985
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1300.41003
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0

Name	Input Value
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1023.10999
VehDyn_MinOffset_HwDeg_M_f32	-563.549988
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.30000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000452999986
VehDyn_SLPHwAuth_Uls_M_f32	0.846000016
VehDyn_SLPHwPos_HwDeg_M_f32	-245.089996
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1000
k_SysKinRatio_MtrDegpHwDeg_f32	32.2999992
k_TravelXCDeadband_Uls_f32	34.2799988
k_TravelXCHwAuthority_Uls_f32	0.175874993
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4077829376
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	0
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_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	-618.090027
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1243.87305
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.4000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.840027
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1123.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-245.089996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.5
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.980011

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	109643620	109643620	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1243.87305	1243.87305	✔
VehDyn_MinOffset_HwDeg_M_f32	-618.090027	-618.090027	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	6.29517412	6.29517412 ± 0.000009	✔

Name	Actual Value	Expected Value	Result
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.846000016	0.846000016 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	878.310059	878.309998 ± 0.1	✔

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

Test Step 2.256 (Repeat Count = 1)	✔
Name	**Input Value**
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1600

Name	Input Value
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786
VehDyn_SLPHwAuth_Uls_M_f32	1
VehDyn_SLPHwPos_HwDeg_M_f32	1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	10
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	100000
k_SysKinRatio_MtrDegpHwDeg_f32	100
k_TravelXCDeadband_Uls_f32	100
k_TravelXCHwAuthority_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4294967295
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-159.890015	-159.889999	✔

Name	Actual Value	Expected Value	Result
VehDyn_MinOffset_HwDeg_M_f32	2840	2840	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7890587	18.7890587 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295	4294967295	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

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

Test Step 2.257 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.200012	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.1999969	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.19999981	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.2000008	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000931999995	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	
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	4004004656	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000731999986	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	
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	4004004656	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.28000014e-005	
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	
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	

Name	Input Value
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-1282.65002
VehDyn_MinOffset_HwDeg_M_f32	-551.190002
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000468999991
VehDyn_SLPHwAuth_Uls_M_f32	0.199000001
VehDyn_SLPHwPos_HwDeg_M_f32	421.809998
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	54.7799988
k_TravelXCDeadband_Uls_f32	45.9799995
k_TravelXCHwAuthority_Uls_f32	0.255499989
target_DtrmnElapsedTime_mS_u32_ElapsedTime	954802432
target_GetSystemTime_mS_u32_CurrentTime	71426560
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	5477
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2942063360
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-500.390015
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	915.302002
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-4.96000004
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.099976
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1123.40002
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	421.809998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.049988

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	71426560	71426560	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	71426560	71426560	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
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	✔

Name	Actual Value	Expected Value	Result
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-1282.65002	-1282.65002	✔
VehDyn_MinOffset_HwDeg_M_f32	-551.190002	-551.190002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39978266	-5.39978266 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2942063360	2942063360	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.258 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	0
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	0
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	0
k_TravelXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	0
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	360	360	✔
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992	-18.7999992 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	0	0	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 2.259 (Repeat Count = 1) ✔

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

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786
VehDyn_SLPHwAuth_Uls_M_f32	1
VehDyn_SLPHwPos_HwDeg_M_f32	1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	10
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	100000
k_SysKinRatio_MtrDegpHwDeg_f32	100
k_TravelXCDeadband_Uls_f32	100
k_TravelXCHwAuthority_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4294967295
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	1600
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-159.890015	-159.889999	✔
VehDyn_MinOffset_HwDeg_M_f32	2840	2840	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7890587	18.7890587 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295	4294967295	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

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

Test Step 2.260 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	604.700012	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	116.699997	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	12.6999998	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	85.6999969	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21364	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	22497	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000984000042	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000984000042	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.53999996	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.599998	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	2.65400004	
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.5999985	
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	7034	
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	39056	
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784	
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000783999974	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75	
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000560000015	
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.5999999	
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	146.600006	
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	7	
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	52.5999985	
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	43190	
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	3186	
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	

Name	Input Value
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.79999973e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000984000042
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-101.489998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1242.75806
VehDyn_MinOffset_HwDeg_M_f32	-457.109985
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89999962
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000494999986
VehDyn_SLPHwAuth_Uls_M_f32	0.00999999978
VehDyn_SLPHwPos_HwDeg_M_f32	206.350006
VehDyn_SrlHwAgVldTimer_mS_M_u32	54689
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	70
k_SysKinRatio_MtrDegpHwDeg_f32	56.2999992
k_TravelXCDeadband_Uls_f32	20.1599998
k_TravelXCHwAuthority_Uls_f32	0.229774997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	2167769344
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	54689
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-384.589996
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	998.836975
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.6500001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-759.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1134.75
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	421.809998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.9000001
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	87.7699966

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2167769344	2167769344	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1134.75	-1134.75 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	998.836975	998.836975	✔
VehDyn_MinOffset_HwDeg_M_f32	-384.589996	-384.589996	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	8.89435196	8.89435196 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	54689	54689	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1033.26001	-1033.26001 ± 0.1	✔

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

Test Case 3: Path Test ✔

Test Case 3: Path Test

Specification

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

CPU Cycles :
TS 3.1 1057.00 Cycles
TS 3.2 1056.00 Cycles
TS 3.3 1045.00 Cycles
TS 3.4 1274.00 Cycles
TS 3.5 1284.00 Cycles
TS 3.6 1270.00 Cycles
TS 3.7 1044.00 Cycles
TS 3.8 1034.00 Cycles
TS 3.9 1050.00 Cycles
TS 3.10 1471.00 Cycles
TS 3.11 1246.00 Cycles
TS 3.12 1052.00 Cycles
TS 3.13 1266.00 Cycles
```

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

CPU Cycles :
```

Description

Vector Description:

TS 3.1"(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=
(ElapsedTime_mS_T_u32 > k_SrlHwAgVldTiThd_mS_u32)=
(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == FALSE)=TRUE &&
((VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) && ((Deadband_Uls_T_f32 > k_TravelXCDeadband_Uls_f32) || (Deadband_Uls_T_f32 <
D_ZERO_ULS_F32))=TRUE && (SrlHwAgVldMdfy_Cnt_T_lgc == TRUE)=FALSE && (VDAuthority_Uls_T_f32 >
D_NOAUTH_ULS_F32)=FALSE && (TravelXCHwAuth_Uls_T_f32 > D_NOAUTH_ULS_F32)=FALSE &&
((CwEOTPosition_HwDeg_T_f32)<=((VehDyn_MaxOffset_HwDeg_M_f32+OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
((CcwEOTPosition_HwDeg_T_f32).=(VehDyn_MinOffset_HwDeg_M_f32+OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
(SnsrlessHwPos_HwDeg_T_f3)>=1600)=TRUE/FALSE
  (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE))=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=FALSE &&
(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE)=FALSE &&
(VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc == TRUE)=FALSE && (VehDyn_Initialize_Cnt_M_lgc == FALSE)=TRUE &&
(MaxAbsHwPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=TRUE && (SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE"
TS 3.2"(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=True && (ElapsedTime_mS_T_u32 >
k_SrlHwAgVldTiThd_mS_u32)=True &&
(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == FALSE)=FALSE &&
((VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) &&
  (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE))=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=TRUE &&
(VehDyn_Initialize_Cnt_M_lgc == FALSE)=FALSE &&
((CwEOTPosition_HwDeg_T_f32)<=((VehDyn_MaxOffset_HwDeg_M_f32+OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
((CcwEOTPosition_HwDeg_T_f32)>=((VehDyn_MinOffset_HwDeg_M_f32+OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
(MaxAbsHwPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE && (MinAbsHwPos_HwDeg_T_f32 > D_ZERO_ULS_F32)=TRUE &&
((Deadband_Uls_T_f32 > k_TravelXCDeadband_Uls_f32) || (Deadband_Uls_T_f32 < D_ZERO_ULS_F32))=TRUE &&
(SrlHwAgVldMdfy_Cnt_T_lgc == TRUE)=TRUE && (VDAuthority_Uls_T_f32 > D_NOAUTH_ULS_F32)=TRUE &&
(SnsrlessHwPos_HwDeg_T_f3)>=1600)=TRUE/FALSE && (SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE &&
((VehDyn_MaxOffset_HwDeg_M_f32)<=((CwEOTPosition_HwDeg_T_f32- OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
((VehDyn_MinOffset_HwDeg_M_f32)>=((CcwEOTPosition_HwDeg_T_f32- OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE"
TS 3.3"(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=True && (ElapsedTime_mS_T_u32 >
k_SrlHwAgVldTiThd_mS_u32)=False &&
(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)= false && (VehDyn_HiSpdLearnt_Cnt_M_lgc == FALSE)=FALSE &&
((VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) &&
  (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE))=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=TRUE &&
(VehDyn_Initialize_Cnt_M_lgc == FALSE)=FALSE && ((VehDyn_MaxOffset_HwDeg_M_f32)<=((CwEOTPosition_HwDeg_T_f32-
OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE && ((VehDyn_MinOffset_HwDeg_M_f32)>=((CcwEOTPosition_HwDeg_T_f32-
OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
((CwEOTPosition_HwDeg_T_f32)<=((VehDyn_MaxOffset_HwDeg_M_f32+OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
((CcwEOTPosition_HwDeg_T_f32)>=((VehDyn_MinOffset_HwDeg_M_f32+OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
(MaxAbsHwPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE && (MinAbsHwPos_HwDeg_T_f32 > D_ZERO_ULS_F32)=FALSE &&
((Deadband_Uls_T_f32 > k_TravelXCDeadband_Uls_f32) || (Deadband_Uls_T_f32 < D_ZERO_ULS_F32))=TRUE &&
(SrlHwAgVldMdfy_Cnt_T_lgc == TRUE)=FALSE && (VDAuthority_Uls_T_f32 > D_NOAUTH_ULS_F32)=FALSE &&
(TravelXCHwAuth_Uls_T_f32 > D_NOAUTH_ULS_F32)=FALSE && (SnsrlessHwPos_HwDeg_T_f3)>=1600)=TRUE/FALSE &&
(SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE"
TS 3.4"(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=False && (ElapsedTime_mS_T_u32 >
k_SrlHwAgVldTiThd_mS_u32)=False && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE && (VehDyn_HiSpdLearnt_Cnt_M_lgc
== FALSE)=TRUE && ((VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) &&
  (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE))=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=FALSE &&
(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE && (VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc == TRUE)=FALSE
&& (VehDyn_Initialize_Cnt_M_lgc == FALSE)=FALSE &&
((VehDyn_MaxOffset_HwDeg_M_f32)<=((CwEOTPosition_HwDeg_T_f32- OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
((VehDyn_MinOffset_HwDeg_M_f32)>=((CcwEOTPosition_HwDeg_T_f32- OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
((CwEOTPosition_HwDeg_T_f32)<=((VehDyn_MaxOffset_HwDeg_M_f32+OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
((CcwEOTPosition_HwDeg_T_f32)>=((VehDyn_MinOffset_HwDeg_M_f32+OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
(MaxAbsHwPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=TRUE && ((Deadband_Uls_T_f32 > k_TravelXCDeadband_Uls_f32) ||
(Deadband_Uls_T_f32 < D_ZERO_ULS_F32))=TRUE && (VDAuthority_Uls_T_f32 > D_NOAUTH_ULS_F32)=TRUE &&
(SnsrlessHwPos_HwDeg_T_f3)>=1600)=TRUE/FALSE && (SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE"
TS 3.5"(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=True && (ElapsedTime_mS_T_u32 >
k_SrlHwAgVldTiThd_mS_u32)=True && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE && (VehDyn_HiSpdLearnt_Cnt_M_lgc
== FALSE)=TRUE && ((VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) &&
  (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE))=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=FALSE &&
(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=TRUE && (VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc == TRUE)=TRUE &&
(VehDyn_Initialize_Cnt_M_lgc == FALSE)=FALSE &&
((VehDyn_MaxOffset_HwDeg_M_f32)<=((CwEOTPosition_HwDeg_T_f32- OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
((VehDyn_MinOffset_HwDeg_M_f32)>=((CcwEOTPosition_HwDeg_T_f32- OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
((CwEOTPosition_HwDeg_T_f32)<=((VehDyn_MaxOffset_HwDeg_M_f32+OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
((CcwEOTPosition_HwDeg_T_f32)>=((VehDyn_MinOffset_HwDeg_M_f32+OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
(MaxAbsHwPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE && (MinAbsHwPos_HwDeg_T_f32 > D_ZERO_ULS_F32)=FALSE &&
((Deadband_Uls_T_f32 > k_TravelXCDeadband_Uls_f32) || (Deadband_Uls_T_f32 < D_ZERO_ULS_F32))=TRUE && (VDAuthority_Uls_T_f32 >
D_NOAUTH_ULS_F32)=FALSE && (TravelXCHwAuth_Uls_T_f32 > D_NOAUTH_ULS_F32)=FALSE &&
(SnsrlessHwPos_HwDeg_T_f3)>=1600)=TRUE/FALSE && (SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE"
TS 3.6"(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=False && (ElapsedTime_mS_T_u32 >
k_SrlHwAgVldTiThd_mS_u32)=False && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc
== FALSE)=TRUE && ((VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) &&
  (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE))=TRUE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=FALSE &&
(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE)=TRUE &&
(VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc == TRUE)=FALSE && (VehDyn_Initialize_Cnt_M_lgc == FALSE)=FALSE &&
((VehDyn_MaxOffset_HwDeg_M_f32)<=((CwEOTPosition_HwDeg_T_f32- OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
((VehDyn_MinOffset_HwDeg_M_f32)>=((CcwEOTPosition_HwDeg_T_f32- OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
((CwEOTPosition_HwDeg_T_f32)<=((VehDyn_MaxOffset_HwDeg_M_f32+OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
((CcwEOTPosition_HwDeg_T_f32)>=((VehDyn_MinOffset_HwDeg_M_f32+OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE &&
(MaxAbsHwPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE && (MinAbsHwPos_HwDeg_T_f32 > D_ZERO_ULS_F32)=TRUE &&
((Deadband_Uls_T_f32 > k_TravelXCDeadband_Uls_f32) || (Deadband_Uls_T_f32 < D_ZERO_ULS_F32))=TRUE && (VDAuthority_Uls_T_f32 >
D_NOAUTH_ULS_F32)=TRUE && (SnsrlessHwPos_HwDeg_T_f3)>=1600)=TRUE/FALSE && (SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE"
TS 3.7"(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=True && (ElapsedTime_mS_T_u32 >
k_SrlHwAgVldTiThd_mS_u32)=False && (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 && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=TRUE &&
 (VehDyn_Initialize_Cnt_M_lgc == FALSE)=TRUE && ((VehDyn_MaxOffset_HwDeg_M_f32)<=((CwEOTPosition_HwDeg_T_f32-
OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE && ((VehDyn_MinOffset_HwDeg_M_f32)>=((CcwEOTPosition_HwDeg_T_f32-
OffsetRelHwPos_HwDeg_T_f32)))=TRUE/FALSE
 && (MaxAbsHwPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE && (MinAbsHwPos_HwDeg_T_f32 > D_ZERO_ULS_F32)=FALSE &&
((Deadband_Uls_T_f32 > k_TravelXCDeadband_Uls_f32) || (Deadband_Uls_T_f32 < D_ZERO_ULS_F32))=TRUE && (VDAuthority_Uls_T_f32 >
D_NOAUTH_ULS_F32)=TRUE && (SnsrlessHwPos_HwDeg_T_f3)>=1600)=TRUE/FALSE && (SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE"
TS 3.8"(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=False && (ElapsedTime_mS_T_u32 >
k_SrlHwAgVldTiThd_mS_u32)=False && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc

== FALSE)=FALSE && ((VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) &&
(VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE))=TRUE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=TRUE &&
(VehDyn_Initialize_Cnt_M_lgc == FALSE)=TRUE && ((VehDyn_MaxOffset_HwDeg_M_f32<=((CwEOTPosition_HwDeg_T_f32 -
OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE && ((VehDyn_MinOffset_HwDeg_M_f32>=((CcwEOTPosition_HwDeg_T_f32 -
OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE
&& (MaxAbsHwPos_HwDeg_T_f32 < D_ZERO_ULS_F32))=TRUE && ((Deadband_Uls_T_f32 > k_TravelXCDeadband_Uls_f32) ||
(Deadband_Uls_T_f32 < D_ZERO_ULS_F32))=FALSE && (VDAuthority_Uls_T_f32 > D_NOAUTH_ULS_F32)=FALSE &&
(TravelXCHwAuth_Uls_T_f32 > D_NOAUTH_ULS_F32)=TRUE && (SnsrlessHwPos_HwDeg_T_f3)>=1600)=TRUE/FALSE &&
(SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE"
TS 3.9"(AbsHwTorque_HwNm_T_f32 > k_HwTqMgnThd_HwNm_f32)=True && (ElapsedTime_mS_T_u32 >
k_SrlHwAgVldTiThd_mS_u32)=False && (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 && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=TRUE &&
(VehDyn_Initialize_Cnt_M_lgc == FALSE)=FALSE && ((VehDyn_MaxOffset_HwDeg_M_f32)<=((CwEOTPosition_HwDeg_T_f32 -
OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE && ((VehDyn_MinOffset_HwDeg_M_f32)>=((CcwEOTPosition_HwDeg_T_f32-
OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE
&& ((CwEOTPosition_HwDeg_T_f32)<=(VehDyn_MaxOffset_HwDeg_M_f32 + OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE &&
((CcwEOTPosition_HwDeg_T_f32)>=(VehDyn_MinOffset_HwDeg_M_f32+ OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE &&
(MaxAbsHwPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE && (MinAbsHwPos_HwDeg_T_f32 > D_ZERO_ULS_F32)=TRUE &&
((Deadband_Uls_T_f32 > k_TravelXCDeadband_Uls_f32) || (Deadband_Uls_T_f32 < D_ZERO_ULS_F32))=TRUE && (VDAuthority_Uls_T_f32 >
D_NOAUTH_ULS_F32)=FALSE && (TravelXCHwAuth_Uls_T_f32 > D_NOAUTH_ULS_F32)=FALSE &&
(SnsrlessHwPos_HwDeg_T_f3)>=1600)=TRUE/FALSE && (SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE"
TS 3.10"(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=False && (ElapsedTime_mS_T_u32 >
k_SrlHwAgVldTiThd_mS_u32)=False && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc
== FALSE)=TRUE && ((VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) &&
(VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE))=TRUE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=FALSE &&
(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE)=FALSE &&
(VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc == TRUE)=TRUE &&
(VehDyn_Initialize_Cnt_M_lgc == FALSE)=FALSE && ((VehDyn_MaxOffset_HwDeg_M_f32)<=((CwEOTPosition_HwDeg_T_f32 -
OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE && ((VehDyn_MinOffset_HwDeg_M_f32)>=((CcwEOTPosition_HwDeg_T_f32-
OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE
&& ((CwEOTPosition_HwDeg_T_f32)<=(VehDyn_MaxOffset_HwDeg_M_f32 + OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE &&
((CcwEOTPosition_HwDeg_T_f32)>=(VehDyn_MinOffset_HwDeg_M_f32+ OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE &&
(MaxAbsHwPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE && (MinAbsHwPos_HwDeg_T_f32 > D_ZERO_ULS_F32)=TRUE &&
((Deadband_Uls_T_f32 > k_TravelXCDeadband_Uls_f32) || (Deadband_Uls_T_f32 < D_ZERO_ULS_F32))=TRUE && (VDAuthority_Uls_T_f32 >
D_NOAUTH_ULS_F32)=TRUE && (SnsrlessHwPos_HwDeg_T_f3)>=1600)=TRUE/FALSE && (SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/
FALSE"
TS 3.11"(AbsHwTorque_HwNm_T_f32 < k_HwTqMgnThd_HwNm_f32)=False && (ElapsedTime_mS_T_u32 >
k_SrlHwAgVldTiThd_mS_u32)=True && (VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc
== FALSE)=TRUE && ((VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == FALSE) &&
(VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE))=FALSE && (VehDyn_HiSpdLearnt_Cnt_M_lgc == TRUE)=FALSE &&
(VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc == TRUE)=FALSE && (VehDyn_LoSpdLearnt_Cnt_M_lgc == TRUE)=FALSE &&
(VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc == TRUE)=TRUE &&
(VehDyn_Initialize_Cnt_M_lgc == FALSE)=TRUE
&& ((CwEOTPosition_HwDeg_T_f32)<=(VehDyn_MaxOffset_HwDeg_M_f32 + OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE &&
((CcwEOTPosition_HwDeg_T_f32)>=(VehDyn_MinOffset_HwDeg_M_f32+ OffsetRelHwPos_HwDeg_T_f32))=TRUE/FALSE &&
(MaxAbsHwPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=TRUE && ((Deadband_Uls_T_f32 > k_TravelXCDeadband_Uls_f32) ||
(Deadband_Uls_T_f32 < D_ZERO_ULS_F32))=TRUE && (VDAuthority_Uls_T_f32 > D_NOAUTH_ULS_F32)=FALSE &&
(TravelXCHwAuth_Uls_T_f32 > D_NOAUTH_ULS_F32)=FALSE &&(SnsrlessHwPos_HwDeg_T_f3)>=1600)=TRUE/FALSE &&
(SnsrlessHwAuth_Uls_T_f32>=1)=TRUE/FALSE"
TS 3.12(VDAuthority_Uls_T_f32 > D_NOAUTH_ULS_F32)=True
TS 3.13"(VehDyn_ForceCenterEnabled_Cnt_M_lgc == TRUE)=False
(SrlHwAgVldMdfy_Cnt_T_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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	5.25
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	91986
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	0
k_TravelXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1736795392
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1662097408
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1353.17004
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✓
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✓
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_Initialize_Cnt_M_lgc	1	1	✓
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✓
VehDyn_MaxOffset_HwDeg_M_f32	360	360	✓
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999	-1440.10999	✓
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992	-18.7999992 ± 0.00009	✓
VehDyn_SrlHwAgVldTimer_mS_M_u32	1662097408	1662097408	✓
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0	0 ± 0.004	✓
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✓
Autocenter_f32	1	Autocenter_f32	1	✓
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✓
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✓

Test Step 3.2 (Repeat Count = 1) ✓

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

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	255
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	20
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	100
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	60000
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1500.22998
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1440.10999
VehDyn_MinOffset_HwDeg_M_f32	2840
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00125584786
VehDyn_SLPHwAuth_Uls_M_f32	1
VehDyn_SLPHwPos_HwDeg_M_f32	1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688
k_HiSpdVDAuthority_Uls_f32	1
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	12
k_SysKinRatio_MtrDegpHwDeg_f32	100
k_TravelXCDeadband_Uls_f32	100
k_TravelXCHwAuthority_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
target_GetSystemTime_mS_u32_CurrentTime	4294967295
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3437401088
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-360
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1342.91003
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4294967295	4294967295	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1600	1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-159.890015	-159.889999	✔
VehDyn_MinOffset_HwDeg_M_f32	2840	2840	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	18.7890587	18.7890587 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 3.3 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	44.7999992
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.800003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.80000019
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.8000002
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000774000015
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000774000015
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	662.200012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	106.199997
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	96.1999969

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000561999972
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000904000015
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	44.0200005
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	2553156835
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	4.98000009e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000774000015
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1400.31995
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
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
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.20000005
k_LoSpdVDAuthority_Uls_f32	0.870000005
k_SrlHwAgVldTiThd_mS_u32	45
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3494315776
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2127166208
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-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	-833.309998
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1332.65002
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	126.410004

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1117112832	1117112832	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	678.661987	678.661987	✔
VehDyn_MinOffset_HwDeg_M_f32	-216.720032	-216.720001	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	15.1910133	15.1910133 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2127166208	2127166208	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	567.009949	567.01001 ± 0.1	✔

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

Test Step 3.4 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	457.299988	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	166.300003	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	16.2999992	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	12.3000002	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	25532	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27401	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000652000017	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000652000017	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	124	
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	84.0999985	
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	5.5	

Name	Input Value
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	25
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	43128
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	58869
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000452000007
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000782000017
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	457.399994
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	166.399994
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	16.1000004
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	12.3999996
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.54000006e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000652000017
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1300.41003
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-374.149994
VehDyn_MinOffset_HwDeg_M_f32	-1432.46997
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000251999998
VehDyn_SLPHwAuth_Uls_M_f32	0.972000003
VehDyn_SLPHwPos_HwDeg_M_f32	-1578.89001
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688
k_HiSpdVDAuthority_Uls_f32	0.349999994
k_HwTqMgnThd_HwNm_f32	6.5
k_LoSpdVDAuthority_Uls_f32	0.889999986
k_SrlHwAgVldTiThd_mS_u32	65
k_SysKinRatio_MtrDegpHwDeg_f32	25.1000004
k_TravelXCDeadband_Uls_f32	2.69000006
k_TravelXCHwAuthority_Uls_f32	0.0166250002
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984
target_GetSystemTime_mS_u32_CurrentTime	1050692864
target Rte Call Ap VehDyn SystemTime DtrmnElapsedTime mS u32 ElapsedTi	463842816
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4243378688
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1431.89001
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	386.147003
target_VehDyn_Per1_HwTorque_HwNm_f32.value	9.5
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	800.869995
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-599.400024
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1322.39001
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	7.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1

Name	Input Value		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	511		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1050692864	1050692864	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2553156835	2553156835	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-374.149994	-374.149994	✔
VehDyn_MinOffset_HwDeg_M_f32	-832.48999	-832.48999	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20166588	3.20166588 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4243378688	4243378688	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.889999986	0.889999986 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

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

Test Step 3.5 (Repeat Count = 1)		✔
Name	**Input Value**	
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime	
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime	
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn	
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	200.399994	
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	52.4000015	
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.3999996	
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	63.4000015	
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	53970	
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	58869	
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000961999991	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991	
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	159
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	68.3000031
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	16.7999992
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	86
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	12258
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	36416
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1024
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000761999981
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	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	1024
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.58000024e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000961999991
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.5
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	1172.87
VehDyn_MinOffset_HwDeg_M_f32	-363.029999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.5
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000483999989
VehDyn_SLPHwAuth_Uls_M_f32	0.275999993
VehDyn_SLPHwPos_HwDeg_M_f32	62.7099991
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	0.00120000006
k_LoSpdVDAuthority_Uls_f32	0.899999976
k_SrlHwAgVldTiThd_mS_u32	112
k_SysKinRatio_MtrDegpHwDeg_f32	63.3199997
k_TravelXCDeadband_Uls_f32	3.38000011
k_TravelXCHwAuthority_Uls_f32	0.212624997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
target_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTi	1759885568
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1050692864
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-430.290009
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1076.80298
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.11000001
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-456
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-714.090027

Name	Input Value
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1312.13
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	230

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1024	1024	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	824746752	824746752	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	54822322	54822322	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-714.090027	-714.090027 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	1172.87	1172.87	✔
VehDyn_MinOffset_HwDeg_M_f32	283.800018	283.799988	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	1.49870157	1.49870157 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1050692864	1050692864	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.275999993	0.275999993 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-651.380005	-651.380005 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 3.6 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.1399994
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.3999996
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000592000026
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000176000001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.3000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.57999992e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1100.58997
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	753.541992
VehDyn_MinOffset_HwDeg_M_f32	-924.486023
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000399000011
VehDyn_SLPHwAuth_Uls_M_f32	0.216000006
VehDyn_SLPHwPos_HwDeg_M_f32	-799.130005
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	1.10000002
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	1385
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031
k_TravelXCDeadband_Uls_f32	89.9000015
k_TravelXCHwAuthority_Uls_f32	0.109724998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1662097408
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	3039943680
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-956.130005

Name	Input Value		
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1215.07898		
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.03999996		
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753.700012		
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1361.30005		
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0		
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1301.87		
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999		
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.049988		

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779	1078320779	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-146.221069	-146.220993	✔
VehDyn_MinOffset_HwDeg_M_f32	-924.486023	-924.486023	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19633675	3.19633675 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	3039943680	3039943680	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 3.7 (Repeat Count = 1)   ✔

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

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	125.099998
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	124.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	3.79999995
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	2345892860
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000449999992
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	200.100006
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156.100006
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	42.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	7034
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	39056
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.49999994e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000650000002
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1000.67999
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	369.15799
VehDyn_MinOffset_HwDeg_M_f32	-1439.15405
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.00025099999
VehDyn_SLPHwAuth_Uls_M_f32	0.986999989
VehDyn_SLPHwPos_HwDeg_M_f32	-1589.15002
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736
k_HiSpdVDAuthority_Uls_f32	0.899999976
k_HwTqMgnThd_HwNm_f32	2.0999999
k_LoSpdVDAuthority_Uls_f32	0.330000013
k_SrlHwAgVldTiThd_mS_u32	744
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	1316564736
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1438.15002
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	375.23999
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-9.10000038
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.210022
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-172.389999
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1291.60999
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4243378688	4243378688	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2160073393	2160073393	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2345892860	2345892860	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	375.23999	375.23999	✔
VehDyn_MinOffset_HwDeg_M_f32	-1438.15002	-1438.15002	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79555798	7.7955575 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1316564736	1316564736	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	0.899999976	0.899999976 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 3.8 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.099976
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	84.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.0999999
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	52.0999985
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	2291

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000936000026
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000936000026
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	456.700012
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	35.5400009
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	14.5
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	75.5
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	7778
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000736000016
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000464000012
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_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	456.299988
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.0999999
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.0999985
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.31999971e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000936000026
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-900.77002
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	-1274.84998
VehDyn_MinOffset_HwDeg_M_f32	-578.070007
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.4000001
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000471000007
VehDyn_SLPHwAuth_Uls_M_f32	0.216999993
VehDyn_SLPHwPos_HwDeg_M_f32	442.329987
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	3.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	700
k_SysKinRatio_MtrDegpHwDeg_f32	54.1399994
k_TravelXCDeadband_Uls_f32	28.0100002
k_TravelXCHwAuthority_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752
target_GetSystemTime_mS_u32_CurrentTime	2242866176
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	2127166208
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2075080192
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-515.830017
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	904.164001
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-5.17999983
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835.299988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1415.88
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1281.34998
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	1.29999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	499.640015

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2242866176	2242866176	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	4004004656	4004004656	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	4211268631	4211268631	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	904.164001	904.164001	✔
VehDyn_MinOffset_HwDeg_M_f32	-515.830017	-515.830017	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-5.39988518	-5.39988518 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2075080192	2075080192	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-515.109985	-515.109985 ± 0.1	✔

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

Test Step 3.9 (Repeat Count = 1)	✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	554.799988
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	126.800003
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	14.8000002

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	96.8000031
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	33198
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000980000012
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000980000012
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	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
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	32
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	25532
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	27401
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000780000002
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000552000012
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	120
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	156
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	13.5
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	10
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	30404
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	30349
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	7.76000015e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000980000012
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-800.859985
VehDyn_HiSpdLearnt_Cnt_M_lgc	1
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	1232.77405
VehDyn_MinOffset_HwDeg_M_f32	-443.670013
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8999996
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000493000029
VehDyn_SLPHwAuth_Uls_M_f32	0.0480000004
VehDyn_SLPHwPos_HwDeg_M_f32	185.830002
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	4.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	701
k_SysKinRatio_MtrDegpHwDeg_f32	54.1199989
k_TravelXCDeadband_Uls_f32	17.0200005
k_TravelXCHwAuthority_Uls_f32	0.227325007
target_DtrmnElapsedTime_mS_u32_ElapsedTime	812314880
target_GetSystemTime_mS_u32_CurrentTime	3941357312
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	4243378688
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	954802432
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_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_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-369.149994
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1009.97498
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-2.43000007
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-835
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1590.80005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1271.08997
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-1.79999995
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	127

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	3941357312	3941357312	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	3174948758	3174948758	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1590.80005	1590.80005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	-580.825073	-580.825012	✔
VehDyn_MinOffset_HwDeg_M_f32	-443.670013	-443.670013	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	13.8919325	13.8919325 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	4294967295	4294967295	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 3.10 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	34.1399994

Name	Input Value
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	86.0999985
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	4.4000001
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	25.3999996
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	20423
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	31368
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
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	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	566
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	216
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	1.10000002
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	88.4000015
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	53970
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	52282
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000592000026
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000176000001
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	700
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	86.3000031
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	6.30000019
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	86.1999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	5235
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	27074
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1078320779
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	5.57999992e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00080400001
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-700.950012
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	1
VehDyn_MaxOffset_HwDeg_M_f32	753.541992
VehDyn_MinOffset_HwDeg_M_f32	-924.486023
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.20000005
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000399000011
VehDyn_SLPHwAuth_Uls_M_f32	0.216000006
VehDyn_SLPHwPos_HwDeg_M_f32	-799.130005
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	5.0999999
k_LoSpdVDAuthority_Uls_f32	1
k_SrlHwAgVldTiThd_mS_u32	702
k_SysKinRatio_MtrDegpHwDeg_f32	78.3000031
k_TravelXCDeadband_Uls_f32	89.9000015
k_TravelXCHwAuthority_Uls_f32	0.109724998
target_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
target_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1050692864
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	2728878080
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32

Name	Input Value
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-956.130005
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1215.07898
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-6.03999996
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	753.700012
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	1361.30005
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	0
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1260.82996
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	4.5999999
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	500.049988

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2728878080	2728878080	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	383750110	383750110	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1361.30005	1361.30005 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	1	1	✔
VehDyn_MaxOffset_HwDeg_M_f32	-146.221069	-146.220993	✔
VehDyn_MinOffset_HwDeg_M_f32	-924.486023	-924.486023	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	3.19633675	3.19633675 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	2728878080	2728878080	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	✔
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_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1
VehDyn_ForceCenterOffset_HwDeg_M_f32	-601.039978
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	6.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	703
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	0
k_TravelXCHwAuthority_Uls_f32	0
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0
target_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	3039943680

Name	Input Value
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1250.56995
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	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	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-998.960022	-998.960022 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 3.12 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	0
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	0
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	0
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	0
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	0
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	-2840
VehDyn_MinOffset_HwDeg_M_f32	-1440.10999
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992
VehDyn_PinTrqSV_M_str.K_Uls_f32	2.51327106e-006
VehDyn_SLPHwAuth_Uls_M_f32	0
VehDyn_SLPHwPos_HwDeg_M_f32	-1600
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752
k_HiSpdVDAuthority_Uls_f32	0
k_HwTqMgnThd_HwNm_f32	7.0999999
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	9000
k_SysKinRatio_MtrDegpHwDeg_f32	1
k_TravelXCDeadband_Uls_f32	20
k_TravelXCHwAuthority_Uls_f32	1
target_DtrmnElapsedTime_mS_u32_ElapsedTime	0

Name	Input Value
target_GetSystemTime_mS_u32_CurrentTime	0
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	1316564736
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	824746752
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-1250
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	360
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-10
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-1118
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	-1600
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-1240.31006
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	-8.80000019
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	0

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600 ± 0.009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	360	360	✔
VehDyn_MinOffset_HwDeg_M_f32	-1250	-1250	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	-18.7999992	-18.7999992 ± 0.00009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	824746752	824746752	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-1240	-1240 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step 3.13 (Repeat Count = 1) ✔

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	target_DtrmnElapsedTime_mS_u32_ElapsedTime
GetSystemTime_mS_u32(CurrentTime)	target_GetSystemTime_mS_u32_CurrentTime
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_VehDyn	target_Rte_Inst_Ap_VehDyn
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1
VehDyn_AutoCntrDetSpd_M_str.MtrVel_MtrRadpS_f32	9.5
VehDyn_AutoCntrDetSpd_M_str.VehSpd_kph_f32	146.5
VehDyn_AutoCntrDetSpd_M_str.FiltPinTrq_HwNm_f32	0
VehDyn_AutoCntrDetSpd_M_str.CntrWindow_HwDeg_f32	78.5
VehDyn_AutoCntrDetSpd_M_str.Timer1Thresh_mS_u16	21335
VehDyn_AutoCntrDetSpd_M_str.Timer2Thresh_mS_u16	34188
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000882000022
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000882000022
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.MtrVel_MtrRadpS_f32	2.20000005
VehDyn_AutoCntrHiSpd_M_str.VehSpd_kph_f32	76.5
VehDyn_AutoCntrHiSpd_M_str.FiltPinTrq_HwNm_f32	4
VehDyn_AutoCntrHiSpd_M_str.CntrWindow_HwDeg_f32	97.1999969
VehDyn_AutoCntrHiSpd_M_str.Timer1Thresh_mS_u16	16683
VehDyn_AutoCntrHiSpd_M_str.Timer2Thresh_mS_u16	22497
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000682000013
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000356000004
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.MtrVel_MtrRadpS_f32	2.70000005
VehDyn_AutoCntrLoSpd_M_str.VehSpd_kph_f32	136.699997
VehDyn_AutoCntrLoSpd_M_str.FiltPinTrq_HwNm_f32	14.6999998
VehDyn_AutoCntrLoSpd_M_str.CntrWindow_HwDeg_f32	96.6999969
VehDyn_AutoCntrLoSpd_M_str.Timer1Thresh_mS_u16	21364
VehDyn_AutoCntrLoSpd_M_str.Timer2Thresh_mS_u16	52716
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	2967684784
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	6.77999997e-005
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000882000022
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0
VehDyn_ForceCenterEnabled_Cnt_M_lgc	0
VehDyn_ForceCenterOffset_HwDeg_M_f32	997.52002
VehDyn_HiSpdLearnt_Cnt_M_lgc	0
VehDyn_Initialize_Cnt_M_lgc	1
VehDyn_LoSpdLearnt_Cnt_M_lgc	0
VehDyn_MaxOffset_HwDeg_M_f32	978
VehDyn_MinOffset_HwDeg_M_f32	-623
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.80000019
VehDyn_PinTrqSV_M_str.K_Uls_f32	0.000444000005
VehDyn_SLPHwAuth_Uls_M_f32	0.981000006
VehDyn_SLPHwPos_HwDeg_M_f32	-337.429993
VehDyn_SrlHwAgVldTimer_mS_M_u32	1262472576
k_HiSpdVDAuthority_Uls_f32	0.800000012
k_HwTqMgnThd_HwNm_f32	9.19999981
k_LoSpdVDAuthority_Uls_f32	0
k_SrlHwAgVldTiThd_mS_u32	65
k_SysKinRatio_MtrDegpHwDeg_f32	86.3000031

Name	Input Value
k_TravelXCDeadband_Uls_f32	43.5499992
k_TravelXCHwAuthority_Uls_f32	0.164849997
target_DtrmnElapsedTime_mS_u32_ElapsedTime	2059598336
target_GetSystemTime_mS_u32_CurrentTime	1117112832
target_Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTi	824746752
target_Rte_Call_Ap_VehDyn_SystemTime_GetSystemTime_mS_u32_CurrentTime	4178051584
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CcwEOT_HwDeg_f32	target_VehDyn_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_CwEOT_HwDeg_f32	target_VehDyn_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_HwTorque_HwNm_f32	target_VehDyn_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_MotorVelCRF_MtrRadpS_f32	target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_RelHwPos_HwDeg_f32	target_VehDyn_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessAuthority_Uls_f32	target_VehDyn_Per1_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SensorlessHwPos_HwDeg_f32	target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAgVld_Cnt_lgc	target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_SrlHwAg_HwDeg_f32	target_VehDyn_Per1_SrlHwAg_HwDeg_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_TorqueCmdCRF_MtrNm_f32	target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeedValid_Cnt_lgc	target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_VehDyn.VehDyn_Per1_VehicleSpeed_Kph_f32	target_VehDyn_Per1_VehicleSpeed_Kph_f32
target_VehDyn_Per1_CcwEOT_HwDeg_f32.value	-674
target_VehDyn_Per1_CwEOT_HwDeg_f32.value	1293
target_VehDyn_Per1_HwTorque_HwNm_f32.value	-1.70000005
target_VehDyn_Per1_MotorVelCRF_MtrRadpS_f32.value	-900.549988
target_VehDyn_Per1_RelHwPos_HwDeg_f32.value	969.01001
target_VehDyn_Per1_SrlHwAgVld_Cnt_lgc.value	1
target_VehDyn_Per1_SrlHwAg_HwDeg_f32.value	-337.429993
target_VehDyn_Per1_TorqueCmdCRF_MtrNm_f32.value	8.19999981
target_VehDyn_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_VehDyn_Per1_VehicleSpeed_Kph_f32.value	123.459999

Name	Actual Value	Expected Value	Result
VehDyn_AllowHiSpdAutoCntr_Cnt_M_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Timer1_mS_u32	2967684784	2967684784	✔
VehDyn_AutoCntrDetSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrDetSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrDetSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Timer1_mS_u32	1117112832	1117112832	✔
VehDyn_AutoCntrHiSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.009	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter1Initialized_Cnt_lgc	0	0	✔
VehDyn_AutoCntrHiSpd_M_str.Filter2Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Timer1_mS_u32	1117112832	1117112832	✔
VehDyn_AutoCntrLoSpd_M_str.Timer2_mS_u32	2138628886	2138628886	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001 ± 0.0009	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Enable_Cnt_lgc	0	0	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Enable_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter1Initialized_Cnt_lgc	1	1	✔
VehDyn_AutoCntrLoSpd_M_str.Filter2Initialized_Cnt_lgc	0	0	✔
VehDyn_HiSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_Initialize_Cnt_M_lgc	1	1	✔
VehDyn_LoSpdLearnt_Cnt_M_lgc	0	0	✔
VehDyn_MaxOffset_HwDeg_M_f32	323.98999	323.98999	✔
VehDyn_MinOffset_HwDeg_M_f32	-623	-623	✔
VehDyn_PinTrqSV_M_str.SV_Uls_f32	7.79582453	7.79582405 ± 0.000009	✔
VehDyn_SrlHwAgVldTimer_mS_M_u32	1262472576	1262472576	✔
target_VehDyn_Per1_SensorlessAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_VehDyn_Per1_SensorlessHwPos_HwDeg_f32.value	-337.429993	-337.429993 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_VehDyn_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Autocenter_f32	1	Autocenter_f32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	Rte_Call_VehDyn_Per1_CP1_CheckpointReached	1	✔

Test Step Call Trace

Project	VehDyn
Module	VehDyn
Test Object	VehDyn_SCom_ForceCenter

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	✔
Failed	0	
Not Executed	0	

Module Properties

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

Comments/Description/Specification	
Name	**Text**
Module 'VehDyn'	********************************UNIT TEST INFORMATION**************************************

Name of Tester:Spoorti Mali
Code File(s) Under Test:Ap_VehDyn.c
Code File(s) Version:8
Module Design Document:VehDyn_MDD.docx
Module Design Document Version:9
Data Dictionary Version:10
Unit Test Plan Version:6
Optimization Level:Level 2
Compiler (CodeGen) Version:TMS470_4.9.5
Model Type:Excel Macro
Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32
Total FLASH Used (Bytes):2278
Total RAM Used (Bytes):201
Total CALS Used (Bytes):115
Special Test Requirements:
Test Date:09-15-2015
Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested.
NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference."

*** |

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

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:
TS 1.1 589.00 Cycles
TS 1.2 589.00 Cycles
TS 1.3 589.00 Cycles
TS 1.4 589.00 Cycles
TS 1.5 589.00 Cycles
```

Description

Vector Description:

TS 1.1RelHwPos_HwDeg_f32=Min
TS 1.2RelHwPos_HwDeg_f32=Neg
TS 1.3RelHwPos_HwDeg_f32=0
TS 1.4RelHwPos_HwDeg_f32=Pos
TS 1.5RelHwPos_HwDeg_f32=Max

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value		
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data)	target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data		
target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data	-1600		

Name	Actual Value	Expected Value	Result
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1	1	✔
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1600	-1600 ± 0.009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value		
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data)	target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data		
target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data	-1200.56006		

Name	Actual Value	Expected Value	Result
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1	1	✔
VehDyn_ForceCenterOffset_HwDeg_M_f32	-1200.56006	-1200.56006 ± 0.009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	✔

Test Step 1.3 (Repeat Count = 1) ✔

Name	Input Value		
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data)	target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data		
target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data	0		

Name	Actual Value	Expected Value	Result
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1	1	✔
VehDyn_ForceCenterOffset_HwDeg_M_f32	0	0 ± 0.000009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	✔

Test Step 1.4 (Repeat Count = 1) ✔

Name	Input Value		
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data)	target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data		
target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data	1300.25		

Name	Actual Value	Expected Value	Result
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1	1	✔
VehDyn_ForceCenterOffset_HwDeg_M_f32	1300.25	1300.25 ± 0.009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	✔

Test Step 1.5 (Repeat Count = 1)				✔
Name	**Input Value**			
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32(data)	target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data			
target_Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32_data	1600			
Name	**Actual Value**	**Expected Value**		**Result**
VehDyn_ForceCenterEnabled_Cnt_M_lgc	1	1		✔
VehDyn_ForceCenterOffset_HwDeg_M_f32	1600	1600 ± 0.009		✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	Rte_Read_Ap_VehDyn_RelHwPos_HwDeg_f32	1	✔

Project	VehDyn
Module	VehDyn
Test Object	Autocenter_f32

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	✔
Failed	0	
Not Executed	0	

Module Properties

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

Comments/Description/Specification	
Name	**Text**
Module 'VehDyn'	**********************************UNIT TEST INFORMATION** Name of Tester:Spoorti Mali Code File(s) Under Test:Ap_VehDyn.c Code File(s) Version:8 Module Design Document:VehDyn_MDD.docx Module Design Document Version:9 Data Dictionary Version:10 Unit Test Plan Version:6 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2278 Total RAM Used (Bytes):201 Total CALS Used (Bytes):115 Special Test Requirements: Test Date:09-15-2015 Comments:"NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference." ***

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

Attributes

Name	Value
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)

CPU Cycles:

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

Description

Vector Description:

TS1.1"Shortest Execution Path=>
if((Abs_f32_m(MotorVelCRF_MtrRadpS_T_f32) <= AutoCntr_Cnt_T_str->MtrVel_MtrRadpS_f32) &&
(VehicleSpeed_Kph_T_f32 >= AutoCntr_Cnt_T_str->VehSpd_kph_f32) &&
(VehSpdValid_Cnt_T_lgc == D_TRUE_CNT_LGC) &&
(AbsFiltPinTrq_HwNm_T_f32 <= (AutoCntr_Cnt_T_str->FiltPinTrq_HwNm_f32)))=>False
if(AutoCntr_Cnt_T_str->Filter1Enable_Cnt_lgc == D_TRUE_CNT_LGC)=>False"
TS1.2"Longest Execution Path=>
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)))=>True
if((AutoCntr_Cnt_T_str->Filter1Enable_Cnt_lgc == D_FALSE_CNT_LGC) &&
(Timer1Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer1Thresh_mS_u16))=>True
if (AutoCntr_Cnt_T_str->Filter1Initialized_Cnt_lgc == D_FALSE_CNT_LGC)=>True
if(AutoCntr_Cnt_T_str->Filter1Enable_Cnt_lgc == D_TRUE_CNT_LGC)=>True
if(Abs_f32_m(RelHwPos_HwDeg_T_f32 - AutoCntr_Cnt_T_str->RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32) <= AutoCntr_Cnt_T_str-
>CntrWindow_HwDeg_f32)=>True
if((AutoCntr_Cnt_T_str->Filter2Enable_Cnt_lgc == D_FALSE_CNT_LGC) &&
(Timer2Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer2Thresh_mS_u16))=>True
if (AutoCntr_Cnt_T_str->Filter2Initialized_Cnt_lgc == D_FALSE_CNT_LGC)=>True
if(AutoCntr_Cnt_T_str->Filter2Enable_Cnt_lgc == D_TRUE_CNT_LGC)=>True"

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	0
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-1350
RelHwPos_HwDeg_T_f32	-1600
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	0
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	0
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	0
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	0
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	0
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	0
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	0
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4243378688
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2269150976
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000501999981
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000501999981
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	0
tgt_GetSystemTime_mS_u32_CurrentTime	0

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	0	0	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2269150976	2269150976	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace ✔

Actual 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	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736	1316564736	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-888	-888	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔

Test Case 2: Boundary Test   ✔

Test Case 2: Boundary Test

Specification

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

CPU Cycles:


TS2.1 676.00 Cycles
TS2.2 676.00 Cycles
TS2.3 659.00 Cycles
TS2.4 659.00 Cycles
TS2.5 730.00 Cycles
TS2.6 659.00 Cycles
TS2.7 659.00 Cycles
TS2.8 659.00 Cycles
TS2.9 659.00 Cycles
TS2.10 705.00 Cycles
TS2.11 659.00 Cycles
TS2.12 659.00 Cycles
TS2.13 659.00 Cycles
TS2.14 659.00 Cycles
TS2.15 683.00 Cycles
TS2.16 683.00 Cycles
TS2.17 659.00 Cycles
TS2.18 728.00 Cycles
TS2.19 654.00 Cycles
TS2.20 701.00 Cycles
TS2.21 654.00 Cycles
TS2.22 654.00 Cycles
TS2.23 654.00 Cycles
TS2.24 654.00 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
TS2.30 654.00 Cycles
TS2.31 693.00 Cycles
TS2.32 693.00 Cycles
TS2.33 654.00 Cycles
TS2.34 654.00 Cycles
TS2.35 654.00 Cycles
TS2.36 654.00 Cycles
TS2.37 654.00 Cycles
TS2.38 654.00 Cycles
TS2.39 654.00 Cycles
TS2.40 654.00 Cycles
TS2.41 654.00 Cycles
TS2.42 654.00 Cycles
TS2.43 654.00 Cycles
TS2.44 707.00 Cycles
TS2.45 659.00 Cycles
TS2.46 659.00 Cycles
TS2.47 659.00 Cycles
TS2.48 703.00 Cycles
TS2.49 654.00 Cycles
TS2.50 654.00 Cycles
TS2.51 693.00 Cycles
TS2.52 707.00 Cycles
TS2.53 703.00 Cycles
TS2.54 654.00 Cycles
TS2.55 654.00 Cycles
TS2.56 654.00 Cycles
TS2.57 654.00 Cycles
TS2.58 693.00 Cycles
TS2.59 654.00 Cycles
TS2.60 654.00 Cycles
TS2.61 654.00 Cycles
TS2.62 654.00 Cycles
TS2.63 654.00 Cycles
TS2.64 654.00 Cycles
TS2.65 654.00 Cycles
TS2.66 654.00 Cycles
TS2.67 654.00 Cycles
TS2.68 654.00 Cycles
TS2.69 654.00 Cycles
TS2.70 654.00 Cycles
TS2.71 654.00 Cycles
TS2.72 654.00 Cycles
TS2.73 654.00 Cycles
TS2.74 654.00 Cycles
TS2.75 654.00 Cycles
TS2.76 693.00 Cycles
```

Specification

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

Description   Vector Description:

TS 2.1All Min
TS 2.2All Max
TS 2.3FiltPinTrq_HwNm_T_f32 = Min
TS 2.4FiltPinTrq_HwNm_T_f32 = Max
TS 2.5FiltPinTrq_HwNm_T_f32 = Zero
TS 2.6FiltPinTrq_HwNm_T_f32 = Pos
TS 2.7FiltPinTrq_HwNm_T_f32 = Neg
TS 2.8MotorVelCRF_MtrRadpS_T_f32 = Min
TS 2.9MotorVelCRF_MtrRadpS_T_f32 = Max
TS 2.10MotorVelCRF_MtrRadpS_T_f32 = Zero
TS 2.11MotorVelCRF_MtrRadpS_T_f32 = Pos
TS 2.12MotorVelCRF_MtrRadpS_T_f32 = Neg
TS 2.13VehicleSpeed_Kph_T_f32 = Min
TS 2.14VehicleSpeed_Kph_T_f32 = Max
TS 2.15VehicleSpeed_Kph_T_f32 = Pos
TS 2.16VehSpdValid_Cnt_T_lgc = Min
TS 2.17VehSpdValid_Cnt_T_lgc = Max
TS 2.18RelHwPos_HwDeg_T_f32 = Min
TS 2.19RelHwPos_HwDeg_T_f32 = Max
TS 2.20RelHwPos_HwDeg_T_f32 = Zero
TS 2.21RelHwPos_HwDeg_T_f32 = Pos
TS 2.22RelHwPos_HwDeg_T_f32 = Neg
TS 2.23AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32==>Min
TS 2.24AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32==>Max
TS 2.25AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32==>Pos
TS 2.26AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Min
TS 2.27AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Max
TS 2.28AutoCntr_Cnt_T_str.VehSpd_kph_f32==>Pos
TS 2.29AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>Min
TS 2.30AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>Max
TS 2.31AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32==>Pos
TS 2.32AutoCntr_Cnt_T_str.Timer1_mS_u32==>Min
TS 2.33AutoCntr_Cnt_T_str.Timer1_mS_u32==>Max
TS 2.34AutoCntr_Cnt_T_str.Timer1_mS_u32==>Pos
TS 2.35AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc==>Min
TS 2.36AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc==>Max
TS 2.37AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16==>Min
TS 2.38AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16==>Max
TS 2.39AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16==>Pos
TS 2.40AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc==>Min
TS 2.41AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc==>Max
TS 2.42AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Min
TS 2.43AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Max
TS 2.44AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Pos
TS 2.45AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Zero
TS 2.46AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV==>Neg
TS 2.47AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K==>Min
TS 2.48AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K==>Max
TS 2.49AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K==>Pos
TS 2.50AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Min
TS 2.51AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Max
TS 2.52AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Pos
TS 2.53AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Zero
TS 2.54AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV==>Neg
TS 2.55AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K==>Min
TS 2.56AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K==>Max
TS 2.57AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K==>Pos
TS 2.58AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc==>Min
TS 2.59AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc==>Max
TS 2.60AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc==>Min
TS 2.61AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc==>Max
TS 2.62AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32==>Min
TS 2.63AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32==>Max
TS 2.64AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32==>Pos
TS 2.65AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Min
TS 2.66AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Max
TS 2.67AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16==>Pos
TS 2.68AutoCntr_Cnt_T_str.Timer2_mS_u32==>Min
TS 2.69AutoCntr_Cnt_T_str.Timer2_mS_u32==>Max
TS 2.70AutoCntr_Cnt_T_str.Timer2_mS_u32==>Pos
TS 2.71GetSystemTime_mS_u32 = Min
TS 2.72GetSystemTime_mS_u32 = Max
TS 2.73GetSystemTime_mS_u32 = Pos
TS 2.74DtrmnElapsedTime_mS_u32 = Min
TS 2.75DtrmnElapsedTime_mS_u32 = Max
TS 2.76DtrmnElapsedTime_mS_u32 = Pos

Test Step 2.1 (Repeat Count = 1)   ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	-18.7999992
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-1350
RelHwPos_HwDeg_T_f32	-3200
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	0
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	0
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	0

Name	Input Value
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	0
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	0
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	0
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	0
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	0
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	0
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	0
tgt_GetSystemTime_mS_u32_CurrentTime	0

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	0	0	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	0	0	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

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

Test Step 2.2 (Repeat Count = 1)	✔
Name	**Input Value**
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_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	1
VehicleSpeed_Kph_T_f32	512
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	700
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	255
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	20
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	100
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	60000
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	60000
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4294967295
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4294967295
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295
tgt_GetSystemTime_mS_u32_CurrentTime	4294967295

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4294967295	4294967295	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4294967295	4294967295	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200	3200	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200	3200	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

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	-172.389999
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	166
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	75
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	156
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	10
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	12258
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	33198
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	10000
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2269150976
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000780000002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000449999992
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1720406272
tgt_GetSystemTime_mS_u32_CurrentTime	4243378688

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4243378688	4243378688	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2269150976	2269150976	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-172.389999	-172.389999	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.4 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	18.7999992
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	189
RelHwPos_HwDeg_T_f32	-599.400024
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	176
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	98.0199966
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	166.009995
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	16
tgt_AutoCntr_Cnt_DET_str.CntrWindow_HwDeg_f32	25
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	26195
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	21335
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	20000
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3533260288
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000782000017

Name	Input Value		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000452000007		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2659241984		
tgt_GetSystemTime_mS_u32_CurrentTime	1050692864		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864	1050692864	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3533260288	3533260288	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-599.400024	-599.400024	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.5 (Repeat Count = 1) ✔

Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	0		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	63.0200005		
RelHwPos_HwDeg_T_f32	770.52002		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	186		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	66		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	84		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5.19999981		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86.2099991		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	43128		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	437658624		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	812314880		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	770.52002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000783999974		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	770.52002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859000022		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360		
tgt_GetSystemTime_mS_u32_CurrentTime	3039943680		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680	3039943680	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	812314880	812314880	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	770.52002	770.52002	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	770.52002	770.52002	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.6 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	12.3299999
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-900
RelHwPos_HwDeg_T_f32	995.5
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	196
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	600.109985
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	76
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	33198
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	38868
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	71426560
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00078599999
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000126600004
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568
tgt_GetSystemTime_mS_u32_CurrentTime	309385728

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	309385728	309385728	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760	4129141760	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	995.5	995.5	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	995.5	995.5	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.7 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	-12.4499998
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	800
RelHwPos_HwDeg_T_f32	-880.02002
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	206
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	200
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	86.0299988
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4.30000019
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	41
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21335
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2430672128
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000788000005
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000167299993
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408

Name	Input Value			
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008			
Name	**Actual Value**	**Expected Value**		**Result**
Autocenter_f32()	0	0 ± 0.1		✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008	4164171008		✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512	2836768512		✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002		✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-880.02002	-880.02002		✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0		✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0		✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1		✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1		✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.8 (Repeat Count = 1) ✔

Name	Input Value			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	4.23000002			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	-1350			
RelHwPos_HwDeg_T_f32	-1454.77002			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	196			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	34.2099991			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	64			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	9			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	56			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	49475			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3941357312			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3345084416			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00079000002			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000207999998			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1117112832			
tgt_GetSystemTime_mS_u32_CurrentTime	1316564736			
Name	**Actual Value**	**Expected Value**		**Result**
Autocenter_f32()	0	0 ± 0.1		✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736	1316564736		✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3345084416	3345084416		✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002		✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1454.77002	-1454.77002		✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0		✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0		✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1		✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1		✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	16.5499992
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	1350

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Name	Input Value		
RelHwPos_HwDeg_T_f32	267.709991		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	206.240005		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	2		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	52.2099991		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	7		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	54.2299995		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	43128		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	29076		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3304439296		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2704864000		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000791999977		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000248700002		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1736795392		
tgt_GetSystemTime_mS_u32_CurrentTime	2075080192		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192	2075080192	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2704864000	2704864000	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	267.709991	267.709991	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
GetSystemTime_mS_u32		1	GetSystemTime_mS_u32	1	✔

Test Step 2.10 (Repeat Count = 1)			✔
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	5.86999989		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	0		
RelHwPos_HwDeg_T_f32	-293.049988		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	216		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5.0999999		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2167769344		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000793999992		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000289399992		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	954802432	954802432	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760	4129141760	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-293.049988	-293.049988	✔

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

Test Step Call Trace					✔
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_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	1100.25		
RelHwPos_HwDeg_T_f32	-627.179993		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	226		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	350.230011		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	18.1100006		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	3		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	13352		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	40437		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3714197504		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	662694400		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000796000008		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000330100011		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3494315776		
tgt_GetSystemTime_mS_u32_CurrentTime	2728878080		
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2728878080	2728878080	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	662694400	662694400	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-627.179993	-627.179993	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32		1	✔

Test Step 2.12 (Repeat Count = 1)		✔
Name	**Input Value**	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	7.87699986	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	-1200.25	
RelHwPos_HwDeg_T_f32	-277.480011	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	236.300003	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	400	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	88	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	1	
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	32	

Name	Input Value		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21364		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	2291		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3323480832		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2303132928		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000798000023		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.0003708		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	463842816		
tgt_GetSystemTime_mS_u32_CurrentTime	824746752		
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	-100.000015	-100 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	824746752	824746752	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2303132928	2303132928	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-177.479996	-177.479996	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.13 (Repeat Count = 1)			✔
Name	**Input Value**		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	5.76599979		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-900		
RelHwPos_HwDeg_T_f32	731.700012		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	0		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	600		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	76.3199997		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2.20000005		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52.1399994		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	33198		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	38868		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	71426560		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00079999998		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00041149999		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1759885568		
tgt_GetSystemTime_mS_u32_CurrentTime	309385728		
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	309385728	309385728	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760	4129141760	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	731.700012	731.700012	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.14 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	3
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	800
RelHwPos_HwDeg_T_f32	-968.400024
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	512
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	200.139999
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	86
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	41
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21335
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2430672128
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000801999995
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000452200009
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1662097408
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008	4164171008	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512	2836768512	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-968.400024	-968.400024	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.15 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	1.11000001
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-418.01001
RelHwPos_HwDeg_T_f32	49.4199982
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	124.260002
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	457
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	96
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	6
tgt_AutoCntr_Cnt_DET_str.CntrWindow_HwDeg_f32	63
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53970
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2242866176
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2478427648
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00080400001

Name	Input Value		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000492900028		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2127166208		
tgt_GetSystemTime_mS_u32_CurrentTime	437658624		
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	437658624	437658624	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2478427648	2478427648	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.16 (Repeat Count = 1)				✔
Name	**Input Value**			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	2.98000002			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	-425			
RelHwPos_HwDeg_T_f32	-559.150024			
VehSpdValid_Cnt_T_lgc	0			
VehicleSpeed_Kph_T_f32	156			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	498.230011			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	106.139999			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14.3000002			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	88			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	12258			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2269150976			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4180236544			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000806000025			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000533599989			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4243378688			
tgt_GetSystemTime_mS_u32_CurrentTime	3941357312			
Name	**Actual Value**	**Expected Value**	**Result**	
Autocenter_f32()	0	0 ± 0.1	✔	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3941357312	3941357312	✔	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4180236544	4180236544	✔	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024	✔	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024	✔	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔	

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.17 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	4.2329998
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	752
RelHwPos_HwDeg_T_f32	933.469971
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	166.977005
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	539
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	116
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	18
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	75.1200027
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	29076
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	29076
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3533260288
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3494315776
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000807999982
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000574300007
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1050692864
tgt_GetSystemTime_mS_u32_CurrentTime	3304439296

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3304439296	3304439296	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3494315776	3494315776	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.18 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	6.98699999
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-158
RelHwPos_HwDeg_T_f32	-3200
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	184
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	580.109985
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	126
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	16
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	97
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	812314880
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	463842816
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000809999998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000615000026
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3039943680

Name	Input Value			
tgt_GetSystemTime_mS_u32_CurrentTime	2167769344			

Name	Actual Value	Expected Value	Result
Autocenter_f32()	-2054.13599	-2054.13599 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	812314880	812314880	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2167769344	2167769344	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	-3200	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1145.86401	-1145.86401	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

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

Test Step 2.19 (Repeat Count = 1)				✓
Name	**Input Value**			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	14.6626997			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	536.200012			
RelHwPos_HwDeg_T_f32	3200			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	164			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	621			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	136.139999			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	18.1000004			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	40437			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	40437			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3345084416			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1759885568			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000812000013			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000655699987			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1316564736			
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504			
Name	**Actual Value**	**Expected Value**		**Result**
Autocenter_f32()	0	0 ± 0.1		✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3345084416	3345084416		✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3714197504	3714197504		✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200	3200		✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200	3200		✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1		✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1		✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1		✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1		✓

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

Test Step 2.20 (Repeat Count = 1)		✓
Name	**Input Value**	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	

Name	Input Value		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	7.0999999		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	159		
RelHwPos_HwDeg_T_f32	0		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	152.300003		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	662		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	146		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	8		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	42.0200005		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	2291		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	2291		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2704864000		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1662097408		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2576.71997		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000814000028		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2576.71997		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000696400006		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192		
tgt_GetSystemTime_mS_u32_CurrentTime	3323480832		
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	-2574.92554	-2574.92554 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2704864000	2704864000	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3323480832	3323480832	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0	0	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2574.92554	2574.92554	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

Test Step 2.21 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	2.0999999
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	110
RelHwPos_HwDeg_T_f32	448.5
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	198
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	124.139999
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	156.110001
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	38868
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	38868
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4129141760
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2127166208
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1347.40002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000815999985
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1347.40002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000737100025
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	954802432
tgt_GetSystemTime_mS_u32_CurrentTime	71426560

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4129141760	4129141760	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	71426560	71426560	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.5	448.5	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5	448.5	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.22 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	9.69999981
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-125.199997
RelHwPos_HwDeg_T_f32	-157.490005
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	188
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	138
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	166
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	16.0200005
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	32
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53970
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	662694400
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4243378688
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	355.5
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000818
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.5
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000777799985
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0

Name	Input Value		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2728878080		
tgt_GetSystemTime_mS_u32_CurrentTime	2430672128		

Name	Actual Value	Expected Value	Result
Autocenter_f32()	-512.591003	-512.591003 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	662694400	662694400	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2430672128	2430672128	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	355.100983	355.100983	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

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	-1144.59998		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	88.1200027		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	0		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	176.320007		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52.2999992		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	12258		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2303132928		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1050692864		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000820000016		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000818500004		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	824746752		
tgt_GetSystemTime_mS_u32_CurrentTime	2242866176		

Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1194.02002	-1194.02002 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2242866176	2242866176	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1050692864	1050692864	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	49.4199982	49.4199982	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32		1	✔

Test Step 2.24 (Repeat Count = 1)   ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str

Name	Input Value
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	4
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-759
RelHwPos_HwDeg_T_f32	91.0800018
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	76
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	700
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	186
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	12
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	41
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	20423
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	20423
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4129141760
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3039943680
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000821999973
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000859200023
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	309385728
tgt_GetSystemTime_mS_u32_CurrentTime	2269150976

Name	Actual Value	Expected Value	Result
Autocenter_f32()	650.230042	650.22998 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2269150976	2269150976	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3039943680	3039943680	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-559.150024	-559.150024	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.25 (Repeat Count = 1)		✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	16
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-1253.22998
RelHwPos_HwDeg_T_f32	1576.71997
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	86.5500031
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	350.299988
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	196.020004
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	10
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	63
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	7034
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	7034
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2836768512
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1316564736
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000823999988
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000899899984
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4164171008
tgt_GetSystemTime_mS_u32_CurrentTime	3533260288

Name	Actual Value	Expected Value	Result
Autocenter_f32()	643.25	643.25 ± 0.1	✔

Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3533260288	3533260288	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1316564736	1316564736	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	933.469971	933.469971	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

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

Test Step 2.26 (Repeat Count = 1) ✓

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	1347.40002
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	96
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	88
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	0
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2.29999995
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	88
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	29076
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	29076
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2478427648
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2075080192
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000826000003
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000940600003
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	437658624
tgt_GetSystemTime_mS_u32_CurrentTime	812314880

Name	Actual Value	Expected Value	Result
Autocenter_f32()	2492	2492 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	812314880	812314880	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2075080192	2075080192	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

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

Test Step 2.27 (Repeat Count = 1) ✓

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	12
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	456
RelHwPos_HwDeg_T_f32	355.5
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	106

Name	Input Value
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	94
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	255
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	10
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	75.1999969
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4180236544
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	191.080002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000828000018
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000981300022
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3941357312
tgt_GetSystemTime_mS_u32_CurrentTime	3437401088

Name	Actual Value	Expected Value	Result
Autocenter_f32()	264.419983	264.420013 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3437401088	3437401088	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	191.080002	191.080002	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
GetSystemTime_mS_u32		1	GetSystemTime_mS_u32	1	✔

Test Step 2.28 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	10
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	753
RelHwPos_HwDeg_T_f32	-174.199997
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	116
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	126
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	124.260002
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	12
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	97
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	40437
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	40437
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3494315776
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2728878080
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000829999975
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00102199998
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3304439296
tgt_GetSystemTime_mS_u32_CurrentTime	3494315776

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3494315776	3494315776	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2728878080	2728878080	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-174.199997	-174.199997	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.29 (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	119
RelHwPos_HwDeg_T_f32	-475.299988
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	146.100006
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	124.25
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	136.110001
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	0
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	2291
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	2291
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	463842816
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4164171008
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000831999991
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00106269994
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344
tgt_GetSystemTime_mS_u32_CurrentTime	463842816

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	463842816	463842816	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4164171008	4164171008	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-475.299988	-475.299988	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.30 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	4
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	12
RelHwPos_HwDeg_T_f32	-257.48999
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	136.25
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	63.1100006
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	14.0200005
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	20
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	42.0099983
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	38868
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	38868
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1759885568

Name	Input Value
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3941357312
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000834000006
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00110340002
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504
tgt_GetSystemTime_mS_u32_CurrentTime	1759885568

Name	Actual Value	Expected Value	Result
Autocenter_f32()	-99.9999847	-100 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1759885568	1759885568	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1759885568	1759885568	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.57341	-157.573395	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

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

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	14	
RelHwPos_HwDeg_T_f32	-354.700012	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	157	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	45	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	156	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	15.25	
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	75	
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53970	
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1662097408	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3304439296	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-354.700012	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000836000021	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00114409998	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832	
tgt_GetSystemTime_mS_u32_CurrentTime	1662097408	

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1662097408	1662097408	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3304439296	3304439296	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-354.700012	-354.700012	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-354.700012	-354.700012	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	✓

Test Step 2.32 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	5
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	652
RelHwPos_HwDeg_T_f32	-627.179993
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	56
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	350.230011
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	18.1100006
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	3
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	97
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	0
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	463842816
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000809999998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000615000026
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3039943680
tgt_GetSystemTime_mS_u32_CurrentTime	2167769344

Name	Actual Value	Expected Value	Result
Autocenter_f32()	517.419983	517.419983 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2167769344	2167769344	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	463842816	463842816	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1144.59998	-1144.59998	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.33 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	6
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	45
RelHwPos_HwDeg_T_f32	-177.479996
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	112
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	400
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	88
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	1
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	40437
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	40437
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4294967295
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1759885568
tgt_AutoCntr_Cnt_DET_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000812000013
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000655699987
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1

Name	Input Value		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1316564736		
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504		

Name	Actual Value	Expected Value	Result
Autocenter_f32()	-268.559998	-268.559998 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3714197504	3714197504	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1759885568	1759885568	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	91.0800018	91.0800018	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32		1	✔

Test Step 2.34 (Repeat Count = 1) ✔

Name	Input Value		
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	65		
RelHwPos_HwDeg_T_f32	731.700012		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	7		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	600		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	76.3199997		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2.20000005		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	42.0200005		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	2291		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	2291		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	543323		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1662097408		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2576.71997		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000814000028		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2576.71997		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000696400006		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2075080192		
tgt_GetSystemTime_mS_u32_CurrentTime	3323480832		

Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1845.02002	-1845.02002 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3323480832	3323480832	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1662097408	1662097408	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2576.71997	2576.71997	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2576.71997	2576.71997	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32		1	✔

Test Step 2.35 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value		
FiltPinTrq_HwNm_T_f32	6.65999985		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	159		
RelHwPos_HwDeg_T_f32	1123.40002		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	246.119995		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	2		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	84.2099991		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	6		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	56		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21335		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3941357312		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2942063360		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000855999999		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000525999989		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	662694400		
tgt_GetSystemTime_mS_u32_CurrentTime	824746752		
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	824746752	824746752	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2942063360	2942063360	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔	

Test Step 2.36 (Repeat Count = 1)			✔
Name	**Input Value**		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	14		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	1100		
RelHwPos_HwDeg_T_f32	-378.170013		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	84		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120.120003		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	64		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14.0100002		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	54		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	12258		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	26195		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3304439296		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1117112832		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000858000014		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000528000004		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2303132928		
tgt_GetSystemTime_mS_u32_CurrentTime	309385728		
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	309385728	309385728	✔

Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1117112832	1117112832	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32		1	✔

Test Step 2.37 (Repeat Count = 1)		✔
Name	**Input Value**	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	7.4000001	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	88	
RelHwPos_HwDeg_T_f32	969.01001	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	187.199997	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	566.109985	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	166	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	8	
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	97	
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	0	
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	13352	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2127166208	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2167769344	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000837999978	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	71426560	
tgt_GetSystemTime_mS_u32_CurrentTime	2127166208	
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2127166208	2127166208	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2127166208	2127166208	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	969.01001	969.01001	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

Test Step 2.38 (Repeat Count = 1)		✔
Name	**Input Value**	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	9.80000019	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	61.2000008	
RelHwPos_HwDeg_T_f32	-1397.33997	
VehSpdValid_Cnt_T_lgc	1	

Name	Input Value
VehicleSpeed_Kph_T_f32	187.300003
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	63
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	176
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	10
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	60000
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	21364
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4243378688
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3714197504
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000839999993
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000509999983
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1000
tgt_GetSystemTime_mS_u32_CurrentTime	4243378688

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4243378688	4243378688	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3714197504	3714197504	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1397.33997	-1397.33997	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.39 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	11.3199997
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-9.80000019
RelHwPos_HwDeg_T_f32	-913.679993
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	198.100006
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	10.25
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	186.25
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	12
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	42
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	18774
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	33198
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2894938880
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000842000009
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000511999999
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2242866176
tgt_GetSystemTime_mS_u32_CurrentTime	1050692864

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864	1050692864	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1050692864	1050692864	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-913.679993	-913.679993	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.40 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
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	-123.5
RelHwPos_HwDeg_T_f32	-1415.88
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.FiltPinTrq_HwNm_f32	19.7999992
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85.0299988
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	-1415.88
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000859999971
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000530000019
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_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	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2167769344	2167769344	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4164171008	4164171008	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1415.88	-1415.88	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.41 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	18
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	154
RelHwPos_HwDeg_T_f32	-1081.09998
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	52
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	400.25
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34

Name	Input Value
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	19.2000008
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	49475
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3714197504
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3437401088
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000861999986
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000531999976
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2836768512
tgt_GetSystemTime_mS_u32_CurrentTime	437658624

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3714197504	3714197504	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	437658624	437658624	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1081.09998	-1081.09998	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

Test Step 2.42 (Repeat Count = 1)		✔
Name	**Input Value**	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	10	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	-12.0299997	
RelHwPos_HwDeg_T_f32	-1503.19995	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	52.25	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	44	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	10.5	
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86	
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	33198	
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	38868	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	463842816	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	824746752	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3200	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00088800001	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000558	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2059598336	
tgt_GetSystemTime_mS_u32_CurrentTime	402713344	

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	463842816	463842816	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	402713344	402713344	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-3198.49316	-3198.49316	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1503.19995	-1503.19995	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

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

Test Step 2.43 (Repeat Count = 1)				✔
Name	**Input Value**			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	12.9799995			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	15			
RelHwPos_HwDeg_T_f32	240.300003			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	34			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	96.2099991			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	18			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	15.0200005			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21335			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1759885568			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	309385728			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3200			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000890000025			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000560000015			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	800969984			
tgt_GetSystemTime_mS_u32_CurrentTime	4178051584			
Name	**Actual Value**	**Expected Value**		**Result**
Autocenter_f32()	0	0 ± 0.1		✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1759885568	1759885568		✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4178051584	4178051584		✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	3197.36597	3197.36597		✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	240.300003	240.300003		✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1		✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0		✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0		✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1		✔

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

Test Step 2.44 (Repeat Count = 1)		✔
Name	**Input Value**	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	14	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	-75	
RelHwPos_HwDeg_T_f32	-692.390015	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	98	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	100	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	88	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14.8000002	
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	45	
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	29076	

Name	Input Value		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1662097408		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4164171008		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	0		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000891999982		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000561999972		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	569984000		
tgt_GetSystemTime_mS_u32_CurrentTime	4077829376		
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1662097408	1662097408	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4077829376	4077829376	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-0.617611885	-0.617611885	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-692.390015	-692.390015	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

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

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	-12.0200005		
RelHwPos_HwDeg_T_f32	-1385.40002		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	88		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	124.120003		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	76		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	16.3999996		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	78		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	20423		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2127166208		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2894938880		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.5		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000893999997		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000563999987		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3351443200		
tgt_GetSystemTime_mS_u32_CurrentTime	2644937728		
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2127166208	2127166208	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2644937728	2644937728	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	446.860504	446.860504	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1385.40002	-1385.40002	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.46 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	3
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-8
RelHwPos_HwDeg_T_f32	-1036.69995
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	87
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	78
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	86
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	3.70000005
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96.2099991
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	40437
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	7034
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4243378688
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2059598336
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-157.490005
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000896000012
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1358028288
tgt_GetSystemTime_mS_u32_CurrentTime	2212175616

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4243378688	4243378688	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2212175616	2212175616	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-158.277771	-158.277771	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1036.69995	-1036.69995	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.47 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	5
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	15
RelHwPos_HwDeg_T_f32	2307.94995
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	102
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	88.3099976
tgt_AutoCntr_Cnt_DET_str.VehSpd_kph_f32	96
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5.01999998
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	32
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	2291
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	29076
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	800969984

Name	Input Value
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.94995
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	2.51327106e-006
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1975593216
tgt_GetSystemTime_mS_u32_CurrentTime	2059598336

Name	Actual Value	Expected Value	Result
Autocenter_f32()	1000	1000 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864	1050692864	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2059598336	2059598336	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1307.95251	1307.95251	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1307.94995	1307.94995	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace				✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.48 (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
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-44
RelHwPos_HwDeg_T_f32	-893.640015
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	124
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	94
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	106
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	9.06000042
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	38868
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	569984000
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.00125584786
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000568000018
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	910116864
tgt_GetSystemTime_mS_u32_CurrentTime	800969984

Name	Actual Value	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	569984000	569984000	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-893.640015	-893.640015	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace				✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	✔

Test Step 2.49 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	7
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-9.01000023
RelHwPos_HwDeg_T_f32	616.409973
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	132
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	44.4700012
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	116
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	7.01999998
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	10
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53970
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	40437
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3351443200
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000566000002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000569999975
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	402713344
tgt_GetSystemTime_mS_u32_CurrentTime	2659241984

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736	1316564736	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3351443200	3351443200	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	✔

Test Step 2.50 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	16
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	1199
RelHwPos_HwDeg_T_f32	-6.48000002
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	246.25
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	539
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	123
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	16
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	63
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	20423
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	33198
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3941357312
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2127166208
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000872000004
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000541999994
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0

Name	Input Value		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	625668608		
tgt_GetSystemTime_mS_u32_CurrentTime	2894938880		

Name	Actual Value	Expected Value	Result
Autocenter_f32()	3193.52002	3193.52002 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2894938880	2894938880	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2127166208	2127166208	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	616.409973	616.409973	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-3200	-3200	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.51 (Repeat Count = 1) ✔

Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	14		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-1299.14001		
RelHwPos_HwDeg_T_f32	-444.170013		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	123		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	580		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	124		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	88.25		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	7034		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	21335		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1720406272		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4243378688		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000874000019		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00054400001		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1711664384		
tgt_GetSystemTime_mS_u32_CurrentTime	2059598336		

Name	Actual Value	Expected Value	Result
Autocenter_f32()	-3644.16992	-3644.16992 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2059598336	2059598336	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4243378688	4243378688	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	3200	3200	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.52 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	12
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime

Name	Input Value
MotorVelCRF_MtrRadpS_T_f32	-147
RelHwPos_HwDeg_T_f32	1146.91003
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	124.764999
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	621
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	125
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	12.21
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	75
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	25532
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2659241984
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1050692864
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000875999976
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000546000025
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	1568734208
tgt_GetSystemTime_mS_u32_CurrentTime	800969984

Name	Actual Value	Expected Value	Result
Autocenter_f32()	1146.91003	1146.91003 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	800969984	800969984	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1050692864	1050692864	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✓

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

Test Step 2.53 (Repeat Count = 1)		✓

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	10
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	88
RelHwPos_HwDeg_T_f32	-1459.40002
VehSpdValid_Cnt_T_lgc	0
VehicleSpeed_Kph_T_f32	125
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	662.210022
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	32
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	10
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	97
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	49475
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2942063360
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3039943680
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000877999992
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000547999982
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4195077888
tgt_GetSystemTime_mS_u32_CurrentTime	569984000

Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1907.90002	-1907.90002 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	569984000	569984000	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3039943680	3039943680	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003	✓

Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.5	448.5	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32		1	✔

Test Step 2.54 (Repeat Count = 1)   ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	2
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-75
RelHwPos_HwDeg_T_f32	459.209991
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	32.3300018
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	124
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	124
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86.3199997
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	43128
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	29076
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1117112832
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1316564736
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000880000007
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000549999997
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2339853824
tgt_GetSystemTime_mS_u32_CurrentTime	3351443200

Name	Actual Value	Expected Value	Result
Autocenter_f32()	616.700012	616.700012 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3351443200	3351443200	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1316564736	1316564736	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-157.490005	-157.490005	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32		1	✔

Test Step 2.55 (Repeat Count = 1)   ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	4
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-83.1399994
RelHwPos_HwDeg_T_f32	1001.01001
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	124
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	138.110001
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	84
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4.5

Name	Input Value		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	42		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1736795392		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2075080192		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000882000022		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	2.51327106e-006		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3524313344		
tgt_GetSystemTime_mS_u32_CurrentTime	1358028288		
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1736795392	1736795392	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2075080192	2075080192	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1001.01001	1001.01001	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	✔

Test Step 2.56 (Repeat Count = 1)			✔
Name	**Input Value**		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	6		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	15		
RelHwPos_HwDeg_T_f32	-1312.29004		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	84		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	86		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	64		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	6.69999981		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	12		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	13352		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	40437		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3437401088		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000883999979		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00125584786		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104		
tgt_GetSystemTime_mS_u32_CurrentTime	1975593216		
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3437401088	3437401088	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1312.29004	-1312.29004	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	✔

Test Step 2.57 (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	110
RelHwPos_HwDeg_T_f32	1089.29004
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	64
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	539.320007
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	52
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	8.89999962
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	53.2099991
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21364
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	2291
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3494315776
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2728878080
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000885999994
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2894938880
tgt_GetSystemTime_mS_u32_CurrentTime	910116864

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3494315776	3494315776	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2728878080	2728878080	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1089.29004	1089.29004	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	✔

Test Step 2.58 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	16
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-547
RelHwPos_HwDeg_T_f32	448.100006
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	34.2299995
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	600
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	21.2999992
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	16.2099991
tgt_AutoCntr_Cnt_DET_str.CntrWindow_HwDeg_f32	86
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	40437
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	43128
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2894938880
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3494315776
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000864000001

Name	Input Value		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000533999992		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2478427648		
tgt_GetSystemTime_mS_u32_CurrentTime	3941357312		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2894938880	2894938880	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3941357312	3941357312	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	448.100006	448.100006	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

Test Step 2.59 (Repeat Count = 1)			✔
Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	18		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	-142		
RelHwPos_HwDeg_T_f32	-736.599976		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	216		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	200.240005		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	210		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	19.2000008		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	32.0200005		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	2291		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2059598336		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	463842816		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000866000017		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000536000007		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4180236544		
tgt_GetSystemTime_mS_u32_CurrentTime	3304439296		
Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2059598336	2059598336	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	463842816	463842816	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-736.599976	-736.599976	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

Test Step 2.60 (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	8
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-83
RelHwPos_HwDeg_T_f32	1210.59998
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	226
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	457
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	212
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	8.19999981
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	52
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	38868
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	13352
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	800969984
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1759885568
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000867999974
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000538000022
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3368466432
tgt_GetSystemTime_mS_u32_CurrentTime	2167769344

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	800969984	800969984	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2167769344	2167769344	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1210.59998	1210.59998	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.61 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	4
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-456
RelHwPos_HwDeg_T_f32	-10.3400002
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	236
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	498.359985
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	35
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4.5
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	41
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53970
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	21364
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	569984000
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1662097408
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000869999989
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000539999979
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0

Name	Input Value		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	170564352		
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504		

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	569984000	569984000	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1662097408	1662097408	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-10.3400002	-10.3400002	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32		2	✔

Test Step 2.62 (Repeat Count = 1) ✔

Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	14		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	18		
RelHwPos_HwDeg_T_f32	476.670013		
VehSpdValid_Cnt_T_lgc	1		
VehicleSpeed_Kph_T_f32	186		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	56		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	174		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14.2299995		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	0		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	49475		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	13352		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2059598336		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000844000024		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000514000014		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2269150976		
tgt_GetSystemTime_mS_u32_CurrentTime	3039943680		

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680	3039943680	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2059598336	2059598336	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	476.670013	476.670013	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32		2	✔

Test Step 2.63 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime

Name	Input Value
FiltPinTrq_HwNm_T_f32	16.9799995
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	-48
RelHwPos_HwDeg_T_f32	385.579987
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	196
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	86
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	187
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	18.7000008
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	100
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	43128
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	21364
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	800969984
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000845999981
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3533260288
tgt_GetSystemTime_mS_u32_CurrentTime	1316564736

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736	1316564736	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	800969984	800969984	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	385.579987	385.579987	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32		2	✓

Test Step 2.64 (Repeat Count = 1)		✓
Name	**Input Value**	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	18	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	-42.0999985	
RelHwPos_HwDeg_T_f32	-1377.90002	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	206	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	75.1100006	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	198.300003	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	19.1000004	
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	65.4499969	
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759	
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	33198	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	569984000	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2377.8999	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000847999996	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000517999986	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	812314880	
tgt_GetSystemTime_mS_u32_CurrentTime	2075080192	

Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192	2075080192	✓

Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2075080192	2075080192	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-2377.052	-2377.052	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1377.90002	-1377.90002	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

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

Test Step 2.65 (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	75	
RelHwPos_HwDeg_T_f32	-1380.59998	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	216.320007	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	98	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	200	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	1.5	
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	87.3000031	
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	13352	
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	0	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	954802432	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3941357312	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000850000011	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000520000001	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3345084416	
tgt_GetSystemTime_mS_u32_CurrentTime	954802432	

Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	954802432	954802432	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1380.59998	-1380.59998	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

Test Step 2.66 (Repeat Count = 1)		✔
Name	**Input Value**	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	2	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	-15	
RelHwPos_HwDeg_T_f32	703.02002	

Name	Input Value
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	226
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	66
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	187
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2.20000005
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	25.0200005
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21364
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	60000
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2728878080
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1720406272
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000852000026
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000522000017
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2704864000
tgt_GetSystemTime_mS_u32_CurrentTime	2728878080

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2728878080	2728878080	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1720406272	1720406272	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	703.02002	703.02002	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
DtrmnElapsedTime_mS_u32		2	DtrmnElapsedTime_mS_u32	2	✔

Test Step 2.67 (Repeat Count = 1)		✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	4
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	26.5
RelHwPos_HwDeg_T_f32	829.530029
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	236
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	34.25
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	224
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4.80000019
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	33198
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	18774
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2659241984
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000853999984
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000523999974
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4129141760
tgt_GetSystemTime_mS_u32_CurrentTime	4164171008

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008	4164171008	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4164171008	4164171008	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	829.530029	829.530029	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔

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

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

Test Step 2.68 (Repeat Count = 1)				✔
Name	**Input Value**			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	7			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	65			
RelHwPos_HwDeg_T_f32	731.700012			
VehSpdValid_Cnt_T_lgc	0			
VehicleSpeed_Kph_T_f32	7			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	600			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	76.3199997			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2.20000005			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	42.0200005			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	2291			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	2291			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	543323			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	0			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2576.71997			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000814000028			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2576.71997			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000696400006			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3524313344			
tgt_GetSystemTime_mS_u32_CurrentTime	1358028288			
Name	**Actual Value**	**Expected Value**		**Result**
Autocenter_f32()	-1845.02002	-1845.02002 ± 0.1		✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1358028288	1358028288		✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	0	0		✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	2576.71997	2576.71997		✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	2576.71997	2576.71997		✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0		✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0		✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0		✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1		✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32		1	✔

Test Step 2.69 (Repeat Count = 1)		✔
Name	**Input Value**	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	6.65999985	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	159	
RelHwPos_HwDeg_T_f32	1123.40002	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	246.119995	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	2	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	84.2099991	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	6	

Name	Input Value
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	56
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21335
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	12258
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3941357312
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4294967295
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000855999999
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000525999989
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2108719104
tgt_GetSystemTime_mS_u32_CurrentTime	1975593216

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1975593216	1975593216	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4294967295	4294967295	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	1123.40002	1123.40002	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.70 (Repeat Count = 1)		✔
Name	**Input Value**	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	14	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	1100	
RelHwPos_HwDeg_T_f32	-378.170013	
VehSpdValid_Cnt_T_lgc	0	
VehicleSpeed_Kph_T_f32	84	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120.120003	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	64	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	14.0100002	
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	54	
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	12258	
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	26195	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3304439296	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	65489	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000858000014	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000528000004	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2894938880	
tgt_GetSystemTime_mS_u32_CurrentTime	910116864	

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	910116864	910116864	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	65489	65489	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-378.170013	-378.170013	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.71 (Repeat Count = 1)			✔
Name	**Input Value**		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	2		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	752		
RelHwPos_HwDeg_T_f32	-444.839996		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	146		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	566.22998		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	156		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2.1099999		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	54		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	49475		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	49475		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	824746752		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	402713344		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000910000002		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000568000018		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2167769344		
tgt_GetSystemTime_mS_u32_CurrentTime	0		
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	0	0	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	402713344	402713344	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-444.839996	-444.839996	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.72 (Repeat Count = 1)		✔
Name	**Input Value**	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	5.5	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	-158	
RelHwPos_HwDeg_T_f32	-480.880005	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	156.600006	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	75	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	166	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5	
tgt_AutoCntr_Cnt_DET_str.CntrWindow_HwDeg_f32	85	
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	43128	
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	43128	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	309385728	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4178051584	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000912000018	

Name	Input Value		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000569999975		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3714197504		
tgt_GetSystemTime_mS_u32_CurrentTime	4294967295		
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4294967295	4294967295	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4178051584	4178051584	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-480.880005	-480.880005	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.73 (Repeat Count = 1) ✔

Name	Input Value		
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str		
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime		
FiltPinTrq_HwNm_T_f32	4		
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime		
MotorVelCRF_MtrRadpS_T_f32	1100		
RelHwPos_HwDeg_T_f32	710.950012		
VehSpdValid_Cnt_T_lgc	0		
VehicleSpeed_Kph_T_f32	166		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	10.21		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	176		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	21364		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	21364		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4077829376		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000904000015		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.00057199999		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3323480832		
tgt_GetSystemTime_mS_u32_CurrentTime	255468		
Name	**Actual Value**	**Expected Value**	**Result**
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	255468	255468	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4077829376	4077829376	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	710.950012	710.950012	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 2.74 (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	100
RelHwPos_HwDeg_T_f32	-833.309998
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	134
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	126
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	126
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	6
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	25
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	20423
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	2291
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1358028288
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000904000015
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000561999972
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	0
tgt_GetSystemTime_mS_u32_CurrentTime	2942063360

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192	2075080192	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1358028288	1358028288	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-833.309998	-833.309998	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.75 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	3
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	120
RelHwPos_HwDeg_T_f32	-1124.05005
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	154
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	124.25
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	136
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	4
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	7034
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	38868
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	954802432
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1975593216
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000905999972
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2124.05005
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000563999987
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	4294967295

Name	Input Value			
tgt_GetSystemTime_mS_u32_CurrentTime	4077829376			

Name	Actual Value	Expected Value	Result
Autocenter_f32()	999.436035	999.435974 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	954802432	954802432	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	1975593216	1975593216	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1124.05005	-1124.05005	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-2123.48608	-2123.48608	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	✓

Test Step 2.76 (Repeat Count = 1)				✓
Name	**Input Value**			
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str			
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime			
FiltPinTrq_HwNm_T_f32	1			
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime			
MotorVelCRF_MtrRadpS_T_f32	-425.220001			
RelHwPos_HwDeg_T_f32	-136.300003			
VehSpdValid_Cnt_T_lgc	1			
VehicleSpeed_Kph_T_f32	158			
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	456			
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	146			
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	2			
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	56.2999992			
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	25532			
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970			
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2728878080			
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	910116864			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000907999987			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003			
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000566000002			
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0			
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1			
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0			
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	255468			
tgt_GetSystemTime_mS_u32_CurrentTime	3714197504			
Name	**Actual Value**	**Expected Value**		**Result**
Autocenter_f32()	0	0 ± 0.1		✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2728878080	2728878080		✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3714197504	3714197504		✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003		✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-136.300003	-136.300003		✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1		✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1		✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1		✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1		✓

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

Test Case 3: Path Test ✔

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

CPU Cycles:

TS3.1 1885.00 Cycles
TS3.2 1257.00 Cycles
TS3.3 1767.00 Cycles
TS3.4 1844.00 Cycles
TS3.5 1176.00 Cycles
TS3.6 1791.00 Cycles
TS3.7 747.00 Cycles
TS3.8 1784.00 Cycles
TS3.9 676.00 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) &&
(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->CntrWindow_HwDeg_f32)=True
((AutoCntr_Cnt_T_str->Filter2Enable_Cnt_lgc == D_FALSE_CNT_LGC) &&
(Timer2Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer2Thresh_mS_u16))=True
(AutoCntr_Cnt_T_str->Filter2Initialized_Cnt_lgc == D_FALSE_CNT_LGC)=False
(AutoCntr_Cnt_T_str->Filter2Enable_Cnt_lgc == D_TRUE_CNT_LGC)=True"
TS3.2"((AutoCntr_Cnt_T_str->Filter1Enable_Cnt_lgc == D_FALSE_CNT_LGC) &&
(Timer1Elapsed_mS_T_u32 >= AutoCntr_Cnt_T_str->Timer1Thresh_mS_u16))=False"
TS3.3(AutoCntr_Cnt_T_str->Filter1Initialized_Cnt_lgc == 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->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
TS3.7"((Abs_f32_m(MotorVelCRF_MtrRadpS_T_f32) <= AutoCntr_Cnt_T_str->MtrVel_MtrRadpS_f32) =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_TRUE_CNT_LGC) &&
(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) <= AutoCntr_Cnt_T_str->MtrVel_MtrRadpS_f32) =True&&
(VehicleSpeed_Kph_T_f32 >= AutoCntr_Cnt_T_str->VehSpd_kph_f32) =True&&
(VehSpdValid_Cnt_T_lgc == D_TRUE_CNT_LGC)=False &&
(AbsFiltPinTrq_HwNm_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
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	✔

Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1050692864	1050692864	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	424.338257	424.338257	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

Test Step Call Trace ✓

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

Test Step 3.2 (Repeat Count = 1) ✓

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	5
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_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	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	424.335632	424.335632	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

Test Step Call Trace ✓

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

Test Step 3.3 (Repeat Count = 1) ✓

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	5
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	0
RelHwPos_HwDeg_T_f32	-888

Name	Input Value
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	216
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3345084416
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000508000026
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088
tgt_GetSystemTime_mS_u32_CurrentTime	954802432

Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1312.33301	-1312.33301 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736	1316564736	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	424.333008	424.333008	✓
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✓
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✓

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

Test Step 3.4 (Repeat Count = 1)	✓

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	5
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	0
RelHwPos_HwDeg_T_f32	-888
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	216
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2704864000
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	888
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000509999983
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000509999983
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088
tgt_GetSystemTime_mS_u32_CurrentTime	954802432

Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1313	-1313 ± 0.1	✓
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2075080192	2075080192	✓
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✓
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	887.094238	887.094238	✓

Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425	425	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32	1	✔
GetSystemTime_mS_u32	2	GetSystemTime_mS_u32	2	✔

Test Step 3.5 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
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	53
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	85
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2167769344
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000511999999
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000511999999
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088
tgt_GetSystemTime_mS_u32_CurrentTime	954802432

Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1312.32776	-1312.32776 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2167769344	2167769344	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	424.327759	424.327759	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
DtrmnElapsedTime_mS_u32	2	DtrmnElapsedTime_mS_u32	2	✔

Test Step 3.6 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	5
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	0
RelHwPos_HwDeg_T_f32	-888
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	216
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34

Name	Input Value
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	86
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	85
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2728878080
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	662694400
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000514000014
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000514000014
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088
tgt_GetSystemTime_mS_u32_CurrentTime	954802432

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	2728878080	2728878080	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-888	-888	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

Test Step 3.7 (Repeat Count = 1)		✔
Name	**Input Value**	
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str	
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	
FiltPinTrq_HwNm_T_f32	15	
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime	
MotorVelCRF_MtrRadpS_T_f32	63	
RelHwPos_HwDeg_T_f32	-1600	
VehSpdValid_Cnt_T_lgc	1	
VehicleSpeed_Kph_T_f32	186	
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	66	
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	84	
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5	
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	96	
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	86	
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	53970	
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	824746752	
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2303132928	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000515999971	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000515999971	
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	2942063360	
tgt_GetSystemTime_mS_u32_CurrentTime	3039943680	

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	3039943680	3039943680	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2303132928	2303132928	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-1600	-1600	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-1600	-1600	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
GetSystemTime_mS_u32	1	GetSystemTime_mS_u32	1	✔

Test Step 3.8 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	5
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	0
RelHwPos_HwDeg_T_f32	-888
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	216
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	45
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	85
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	309385728
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	4129141760
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000517999986
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000517999986
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	500
tgt_GetSystemTime_mS_u32_CurrentTime	954802432

Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1313	-1313 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	309385728	309385728	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425	425	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

Test Step 3.9 (Repeat Count = 1) ✔

Name	Input Value
AutoCntr_Cnt_T_str	tgt_AutoCntr_Cnt_T_str
DtrmnElapsedTime_mS_u32(ElapsedTime)	tgt_DtrmnElapsedTime_mS_u32_ElapsedTime
FiltPinTrq_HwNm_T_f32	5
GetSystemTime_mS_u32(CurrentTime)	tgt_GetSystemTime_mS_u32_CurrentTime
MotorVelCRF_MtrRadpS_T_f32	0
RelHwPos_HwDeg_T_f32	-888
VehSpdValid_Cnt_T_lgc	1
VehicleSpeed_Kph_T_f32	216
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	40000

Name	Input Value		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000520000001		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000520000001		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	30000		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		

Name	Actual Value	Expected Value	Result
Autocenter_f32()	-1313	-1313 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	4164171008	4164171008	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	2836768512	2836768512	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425	425	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0	0	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
DtrmnElapsedTime_mS_u32	1	DtrmnElapsedTime_mS_u32		1	✔

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	1		
VehicleSpeed_Kph_T_f32	216		
tgt_AutoCntr_Cnt_T_str.MtrVel_MtrRadpS_f32	120		
tgt_AutoCntr_Cnt_T_str.VehSpd_kph_f32	34		
tgt_AutoCntr_Cnt_T_str.FiltPinTrq_HwNm_f32	5		
tgt_AutoCntr_Cnt_T_str.CntrWindow_HwDeg_f32	85		
tgt_AutoCntr_Cnt_T_str.Timer1Thresh_mS_u16	53759		
tgt_AutoCntr_Cnt_T_str.Timer2Thresh_mS_u16	32821		
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736		
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	3345084416		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.K_Uls_f32	0.000520000001		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	425		
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.K_Uls_f32	0.000508000026		
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	0		
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	0		
tgt_DtrmnElapsedTime_mS_u32_ElapsedTime	3437401088		
tgt_GetSystemTime_mS_u32_CurrentTime	954802432		

Name	Actual Value	Expected Value	Result
Autocenter_f32()	0	0 ± 0.1	✔
tgt_AutoCntr_Cnt_T_str.Timer1_mS_u32	1316564736	1316564736	✔
tgt_AutoCntr_Cnt_T_str.Timer2_mS_u32	954802432	954802432	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt1SV_HwDeg_str.SV_Uls_f32	-888	-888	✔
tgt_AutoCntr_Cnt_T_str.RelHwPosFilt2SV_HwDeg_str.SV_Uls_f32	-888	-888	✔
tgt_AutoCntr_Cnt_T_str.Filter1Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Enable_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter1Initialized_Cnt_lgc	1	1	✔
tgt_AutoCntr_Cnt_T_str.Filter2Initialized_Cnt_lgc	1	1	✔

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

Test Step Call Trace	