Summary

Total Test Objects:	10
Successful:	10
Failed:	0
Not Executed:	0
Date:	2017-02-06
Time:	14:44:38+0530

Overall Test Object Results (including Coverage)


OK — 10
Not Executed — 0
Not OK — 0
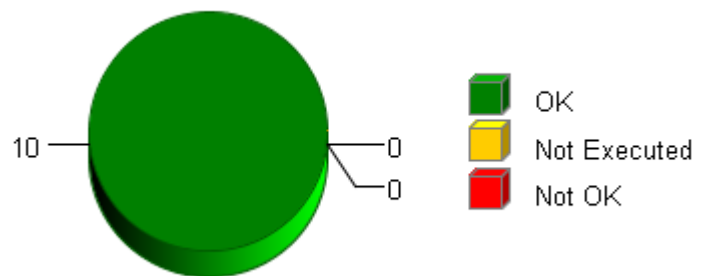
Selected Project Items

Test Object "CBD_UnitTest/AbsHwPos_TcI2lVd/AbsHwPos_Init1"
Test Object "CBD_UnitTest/AbsHwPos_TcI2lVd/AbsHwPos_Per1"
Test Object "CBD_UnitTest/AbsHwPos_TcI2lVd/AbsHwPos_Per2"
Test Object "CBD_UnitTest/AbsHwPos_TcI2lVd/AbsHwPos_Per3"
Test Object "CBD_UnitTest/AbsHwPos_TcI2lVd/AbsHwPos_Per4"
Test Object "CBD_UnitTest/AbsHwPos_TcI2lVd/AbsHwPos_SCom_CustClrTrim"
Test Object "CBD_UnitTest/AbsHwPos_TcI2lVd/AbsHwPos_SCom_CustSetTrim"
Test Object "CBD_UnitTest/AbsHwPos_TcI2lVd/AbsHwPos_SCom_NxtClearTrim"
Test Object "CBD_UnitTest/AbsHwPos_TcI2lVd/AbsHwPos_SCom_NxtSetTrim"
Test Object "CBD_UnitTest/AbsHwPos_TcI2lVd/TrimNotPerfDiag"

Used Test Environments

TI TMS 570 PLS UDE (Default)

Test Case Results for Each Test Object (without Coverage)

OK
Not Executed
Not OK
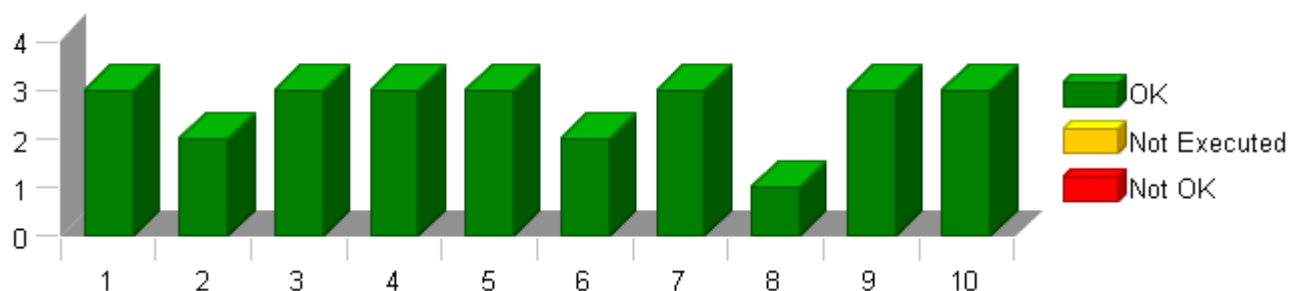
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object are passed in this table but the coverage is failed, the overall test object result will be failed).

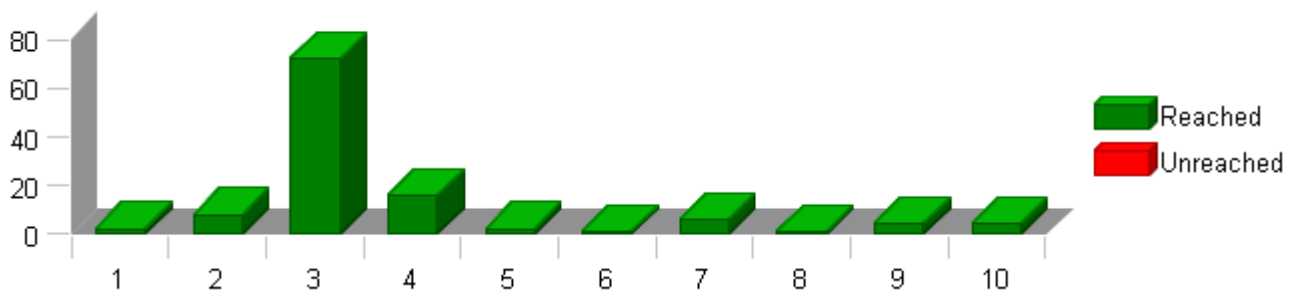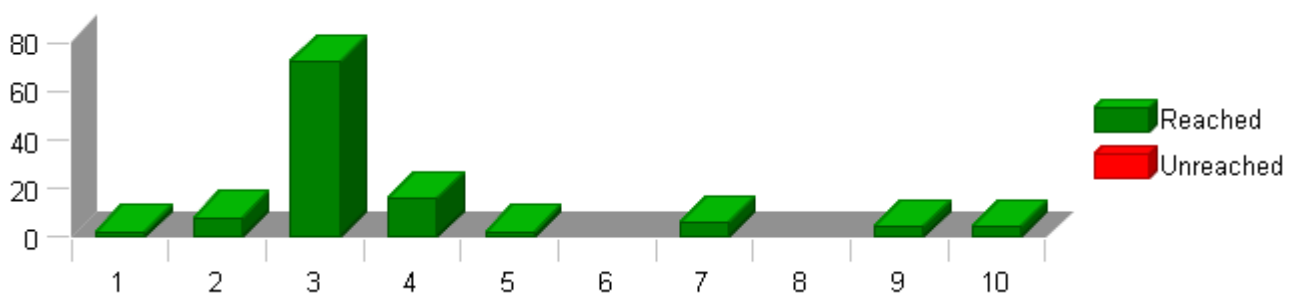## Statement (C0) Coverage: Total Statements for Each Test Object
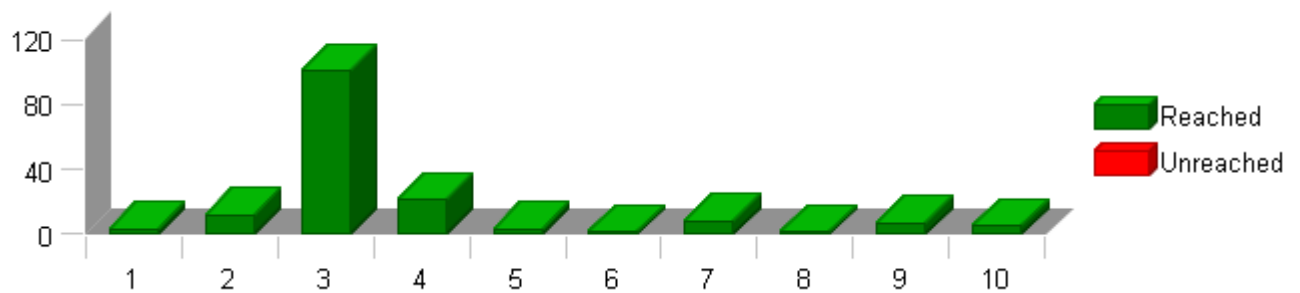
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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.
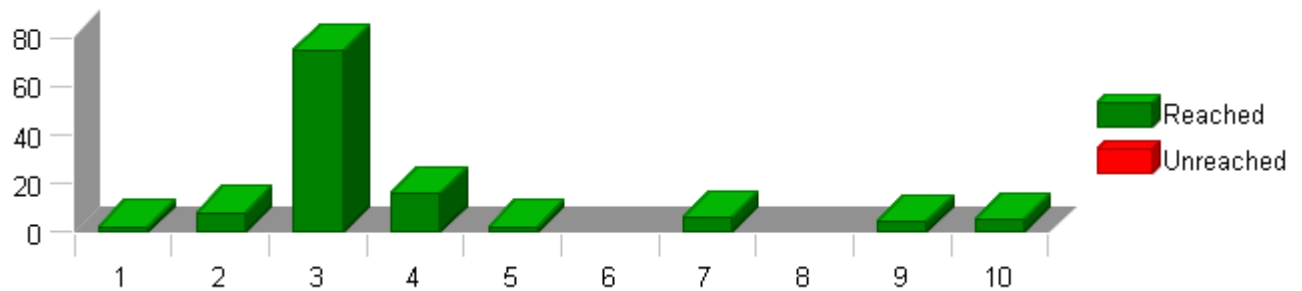
Decision Coverage: Total Decision Outcomes for Each Test Object

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.

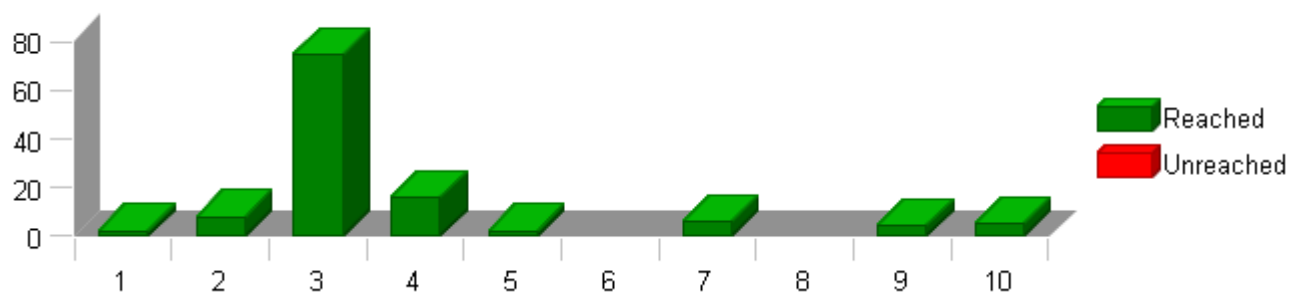Each bar is divided into reached and unreached decision outcomes.

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
	AbsHwPos	100 %	100 %	100 %	100 %	100 %	26 of 26 passed	✔
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	26 of 26 passed	✔
	AbsHwPos_Tcl2lVd	100 %	100 %	100 %	100 %	100 %	26 of 26 passed	✔
1	AbsHwPos_Init1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
2	AbsHwPos_Per1	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	✔
3	AbsHwPos_Per2	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
4	AbsHwPos_Per3	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
5	AbsHwPos_Per4	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
6	AbsHwPos_SCom_CustClrTrim	100 %	100 %	-	-	-	2 of 2 passed	✔
7	AbsHwPos_SCom_CustSetTrim	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
8	AbsHwPos_SCom_NxtClearTrim	100 %	100 %	-	-	-	1 of 1 passed	✔
9	AbsHwPos_SCom_NxtSetTrim	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
10	TrimNotPerfDiag	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔

Razorcat

Project	AbsHwPos
Module	AbsHwPos_Tcl2lVd
Test Object	TrimNotPerfDiag

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\AbsHwPos_Tcl2cVd_FDD05G
Configuration File	D:\Synergy_Work_Area\AbsHwPos_Tcl2cVd_FDD05G\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	$(SOURCEROOT)\Ap_AbsHwPos.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract\Ap_AbsHwPos -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'AbsHwPos_Tcl2lVd'	**Unit Test Description** Name of Tester: Medha Sabale Code File(s) Under Test:Ap_AbsHwPos.c Code File(s) Version: 10 Module Design Document:Absolute_Handwheel_Position_Tcl2cVd_MDD.doc Module Design Document Version:11 Data Dictionary Version: 10 Unit Test Plan Version:3 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):3004 Total RAM Used (Bytes):64 Total CALS Used (Bytes):56 Special Test Requirements:NA Test Date:2/6/2017 Comments: NOTE 1:Inline functions defined in "Globalmacro.h" are not unit tested. NOTE 2: "CBD_Sandbox_dbg.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\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
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\AbsHwPos_TcI2cVd_FDD05G\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test ✔

Specification	"Performance Metrics (With "None" Instrumentation and WithPS Environment" CPU Cycles: TS1.1 740.00 Cycles TS1.2 1728.00 Cycles
Description	Vector Description: TS 1.1 Shortest Execution Path: (k_UseTurnsCntr_Cnt_lgc == TRUE)=False, ((ManufMode_Cnt_T_enum <> ManufacturingMode) And _ (Rte_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16 <> D_TRIMPERFORMED_CNT_U16))=>True TS 1.2 Longest Execution Path: (k_UseTurnsCntr_Cnt_lgc == TRUE)=True, ((ManufMode_Cnt_T_enum <> ManufacturingMode) And _ (Rte_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16 <> D_TRIMPERFORMED_CNT_U16))=>False

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
ManufMode_Cnt_T_enum	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_UseTurnsCntr_Cnt_lgc	0
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value
ManufMode_Cnt_T_enum	2
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_UseTurnsCntr_Cnt_lgc	1
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Case 2: Range Test   ✔

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

CPU Cycles:

TS2.1   740.00 Cycles
TS2.2  1728.00 Cycles
TS2.3   739.00 Cycles
TS2.4  1731.00 Cycles
TS2.5   739.00 Cycles
TS2.6  1521.00 Cycles
TS2.7   739.00 Cycles
TS2.8  1731.00 Cycles
TS2.9   739.00 Cycles
TS2.10  1520.00 Cycles
```

Description   Vector Description:

TS 2.1 All Min
TS 2.2 All Max
TS 2.3 ManufMode_Cnt_T_enum=>Min
TS 2.4 ManufMode_Cnt_T_enum=>Max
TS 2.5 ManufMode_Cnt_T_enum=>Pos
TS 2.6 Rte_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16=>Min
TS 2.7 Rte_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16=>Max
TS 2.8 Rte_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16=>Pos
TS 2.9 k_UseTurnsCntr_Cnt_lgc=>Min
TS 2.10 k_UseTurnsCntr_Cnt_lgc=>Max

Test Step 2.1 (Repeat Count = 1)   ✔

Name	Input Value		
ManufMode_Cnt_T_enum	0		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_UseTurnsCntr_Cnt_lgc	0		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 2.2 (Repeat Count = 1)   ✔

Name	Input Value		
ManufMode_Cnt_T_enum	2		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_UseTurnsCntr_Cnt_lgc	1		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.3 (Repeat Count = 1)   ✔

Name	Input Value		
ManufMode_Cnt_T_enum	0		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_UseTurnsCntr_Cnt_lgc	0		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	124		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.4 (Repeat Count = 1) ✔

Name	Input Value		
ManufMode_Cnt_T_enum	2		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_UseTurnsCntr_Cnt_lgc	1		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	589		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

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

Test Step 2.5 (Repeat Count = 1) ✔

Name	Input Value		
ManufMode_Cnt_T_enum	1		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_UseTurnsCntr_Cnt_lgc	0		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1054		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.6 (Repeat Count = 1) ✔

Name	Input Value		
ManufMode_Cnt_T_enum	1		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_UseTurnsCntr_Cnt_lgc	1		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

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

Test Step 2.7 (Repeat Count = 1) ✔

Name	Input Value
ManufMode_Cnt_T_enum	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_UseTurnsCntr_Cnt_lgc	0
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 2.8 (Repeat Count = 1) ✔

Name	Input Value
ManufMode_Cnt_T_enum	2
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_UseTurnsCntr_Cnt_lgc	1
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2449
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
ManufMode_Cnt_T_enum	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_UseTurnsCntr_Cnt_lgc	0
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1284
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 2.10 (Repeat Count = 1) ✔

Name	Input Value
ManufMode_Cnt_T_enum	1
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_UseTurnsCntr_Cnt_lgc	1
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	6258
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Case 3: Path Test ✔

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

CPU Cycles:

TS3.1  741.00 Cycles
TS3.2 1727.00 Cycles
TS3.3 1731.00 Cycles
```

Description   Vector Description:

TS 3.1 "(k_UseTurnsCntr_Cnt_lgc == TRUE)=False, ((ManufMode_Cnt_T_enum <> ManufacturingMode) And _
(Rte_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16 <> D_TRIMPERFORMED_CNT_U16))=>True"
TS 3.2 "(k_UseTurnsCntr_Cnt_lgc == TRUE)=True, ((ManufMode_Cnt_T_enum <> ManufacturingMode) And _
(Rte_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16 <> D_TRIMPERFORMED_CNT_U16))=>False"
TS 3 .3 "(k_UseTurnsCntr_Cnt_lgc == TRUE)=True,((ManufMode_Cnt_T_enum != ManufacturingMode) &&
(Rte_Pim_EOLVehCntrOffset()->EOLHwPosTrimPerformed_Cnt_u16 != D_TRIMPERFORMED_CNT_U16))=False"

Test Step 3.1 (Repeat Count = 1) ✔

Name	Input Value		
ManufMode_Cnt_T_enum	0		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_UseTurnsCntr_Cnt_lgc	0		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 3.2 (Repeat Count = 1) ✔

Name	Input Value		
ManufMode_Cnt_T_enum	2		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_UseTurnsCntr_Cnt_lgc	1		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 3.3 (Repeat Count = 1) ✔

Name	Input Value		
ManufMode_Cnt_T_enum	2		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_UseTurnsCntr_Cnt_lgc	1		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	589		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Actual Function	Count	Expected Function	Count	Result
Test Step Call Trace				✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Project	AbsHwPos
Module	AbsHwPos_Tcl2lVd
Test Object	AbsHwPos_Per3

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\AbsHwPos_Tcl2cVd_FDD05G
Configuration File	D:\Synergy_Work_Area\AbsHwPos_Tcl2cVd_FDD05G\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	$(SOURCEROOT)\Ap_AbsHwPos.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract\Ap_AbsHwPos -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'AbsHwPos_Tcl2lVd'	***Unit Test Description*** Name of Tester: Medha Sabale Code File(s) Under Test:Ap_AbsHwPos.c Code File(s) Version: 10 Module Design Document:Absolute_Handwheel_Position_Tcl2cVd_MDD.doc Module Design Document Version:11 Data Dictionary Version: 10 Unit Test Plan Version:3 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):3004 Total RAM Used (Bytes):64 Total CALS Used (Bytes):56 Special Test Requirements:NA Test Date:2/6/2017 Comments: NOTE 1:Inline functions defined in "Globalmacro.h" are not unit tested. NOTE 2: "CBD_Sandbox_dbg.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\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
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\AbsHwPos_TcI2cVd_FDD05G\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test ✔

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS1.1 969.00 Cycles TS1.2 1585.00 Cycles

Description	Vector Description:
	
	TS1.1"Shortest Execution Path:
	if (I2CHwAbsPosValid_Cnt_T_lgc == TRUE)=>False"
	TS1.2"Longest Execution Path:
	if (I2CHwAbsPosValid_Cnt_T_lgc == TRUE)=>True
	(FALSE == AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc)=True
	if (Abs_f32_m(I2CHwAbsPos_HwDeg_T_f32 - NewRelHwPos_HwDeg_T_f32) >= k_HWAtoMtrADiffLimit_HwDeg_f32)=>False
	(AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16 == 0U)=True
	"

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	0
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-11026
AbsHwPos_RelHwPos_HwDeg_M_f32	-10125
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	0
k_HwAtoMtrAError_str.Threshold	0
k_HwAtoMtrAError_str.PStep	0
k_HwAtoMtrAError_str.NStep	0
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	0
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-900
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	0	0	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0	0	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-11026	-11026 ± 0.09	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	125
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-9875.20996
AbsHwPos_RelHwPos_HwDeg_M_f32	420
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	332.5
k_HwAtoMtrAError_str.Threshold	470
k_HwAtoMtrAError_str.PStep	124
k_HwAtoMtrAError_str.NStep	182
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	666.200012
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	0	0	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-246.200012	-246.199997 ± 0.0009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Case 2: Range Test ✔

Specification

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

CPU Cycles:

TS2.1 1029.00 Cycles
TS2.2 1585.00 Cycles
TS2.3 1575.00 Cycles
TS2.4 969.00 Cycles
TS2.5 1565.00 Cycles
TS2.6 1119.00 Cycles
TS2.7 1104.00 Cycles
TS2.8 1060.00 Cycles
TS2.9 1069.00 Cycles
TS2.10 1056.00 Cycles
TS2.11 1549.00 Cycles
TS2.12 1056.00 Cycles
TS2.13 1086.00 Cycles
TS2.14 1056.00 Cycles
TS2.15 1069.00 Cycles
TS2.16 1056.00 Cycles
TS2.17 1549.00 Cycles
TS2.18 1549.00 Cycles
TS2.19 1060.00 Cycles
TS2.20 1529.00 Cycles
TS2.21 1060.00 Cycles
TS2.22 1069.00 Cycles
TS2.23 1060.00 Cycles
TS2.24 1559.00 Cycles
TS2.25 1549.00 Cycles
TS2.26 1056.00 Cycles
TS2.27 1056.00 Cycles
TS2.28 1034.00 Cycles
TS2.29 1056.00 Cycles
TS2.30 949.00 Cycles
TS2.31 949.00 Cycles
TS2.32 1549.00 Cycles
TS2.33 1056.00 Cycles
TS2.34 1069.00 Cycles
TS2.35 1549.00 Cycles
TS2.36 1056.00 Cycles
```

Description

Vector Description:

TS2.1All Min
TS2.2All Max
TS2.3I2CHwAbsPosValid_Cnt_lgc=>True
TS2.4I2CHwAbsPosValid_Cnt_lgc=>False
TS2.5I2CHwAbsPos_HwDeg_f32==>Min
TS2.6I2CHwAbsPos_HwDeg_f32==>Max
TS2.7I2CHwAbsPos_HwDeg_f32==>Zero
TS2.8I2CHwAbsPos_HwDeg_f32==>Pos
TS2.9I2CHwAbsPos_HwDeg_f32==>Neg
TS2.10AbsHwPos_RelHwPos_HwDeg_M_f32==>Min
TS2.11AbsHwPos_RelHwPos_HwDeg_M_f32==>Max
TS2.12AbsHwPos_RelHwPos_HwDeg_M_f32==>Zero
TS2.13AbsHwPos_RelHwPos_HwDeg_M_f32==>Pos
TS2.14AbsHwPos_RelHwPos_HwDeg_M_f32==>Neg
TS2.15AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16==>Min
TS2.16AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16==>Max
TS2.17AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16==>Pos
TS2.18k_HWAtoMtrADiffLimit_HwDeg_f32==>Min
TS2.19k_HWAtoMtrADiffLimit_HwDeg_f32==>Max
TS2.20k_HWAtoMtrADiffLimit_HwDeg_f32==>Pos/Default
TS2.21k_HwAtoMtrAError_str.Threshold==>Min
TS2.22k_HwAtoMtrAError_str.Threshold==>Max
TS2.23k_HwAtoMtrAError_str.Threshold==>Pos/Default
TS2.24k_HwAtoMtrAError_str.PStep==>Min
TS2.25k_HwAtoMtrAError_str.PStep==>Max
TS2.26k_HwAtoMtrAError_str.PStep==>Pos/Default
TS2.27k_HwAtoMtrAError_str.NStep==>Min
TS2.28k_HwAtoMtrAError_str.NStep==>Max
TS2.29k_HwAtoMtrAError_str.NStep==>Pos/Default
TS2.30AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc==>Min
TS2.31AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc==>Max
TS2.32AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32==>Min
TS2.33AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32==>Max
TS2.34AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32==>Pos
TS2.35AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32==>Zero
TS2.36AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32==>Neg

Test Step 2.1 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	0

Name	Input Value		
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0		
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-11026		
AbsHwPos_RelHwPos_HwDeg_M_f32	-10125		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HWAtoMtrADiffLimit_HwDeg_f32	0		
k_HwAtoMtrAError_str.Threshold	0		
k_HwAtoMtrAError_str.PStep	0		
k_HwAtoMtrAError_str.NStep	0		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	0		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-900		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	0	0	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0	0	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-11026	-11026 ± 0.09	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached		1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached		1	✔

Test Step 2.2 (Repeat Count = 1)			✔
Name	**Input Value**		
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	65535		
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1		
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	11026		
AbsHwPos_RelHwPos_HwDeg_M_f32	10125		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HWAtoMtrADiffLimit_HwDeg_f32	1600		
k_HwAtoMtrAError_str.Threshold	65535		
k_HwAtoMtrAError_str.PStep	255		
k_HwAtoMtrAError_str.NStep	255		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	900		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	65535	65535	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	11026	11026 ± 0.09	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached		1	✔

Test Step 2.3 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	125	
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0	
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-9875.20996	
AbsHwPos_RelHwPos_HwDeg_M_f32	420	
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos	
k_HWAtoMtrADiffLimit_HwDeg_f32	332.5	
k_HwAtoMtrAError_str.Threshold	470	
k_HwAtoMtrAError_str.PStep	124	
k_HwAtoMtrAError_str.NStep	182	
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1	

Name	Input Value		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	666.200012		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	0	0	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-246.200012	-246.199997 ± 0.0009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔	

Test Step 2.4 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	148
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-6214.20996
AbsHwPos_RelHwPos_HwDeg_M_f32	-329.299988
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	355.600006
k_HwAtoMtrAError_str.Threshold	493
k_HwAtoMtrAError_str.PStep	48
k_HwAtoMtrAError_str.NStep	173
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	0
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-457
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	0	0	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0	0	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-6214.20996	-6214.20996 ± 0.009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔	
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔	

Test Step 2.5 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	1718
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-2553.20996
AbsHwPos_RelHwPos_HwDeg_M_f32	238.600006
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	378.700012
k_HwAtoMtrAError_str.Threshold	516
k_HwAtoMtrAError_str.PStep	66
k_HwAtoMtrAError_str.NStep	164
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-900
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	516	516	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-2553.20996	-2553.20996 ± 0.009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.6 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	194	
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0	
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	1107.79004	
AbsHwPos_RelHwPos_HwDeg_M_f32	147.899994	
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos	
k_HWAtoMtrADiffLimit_HwDeg_f32	401.799988	
k_HwAtoMtrAError_str.Threshold	5398	
k_HwAtoMtrAError_str.PStep	10	
k_HwAtoMtrAError_str.NStep	155	
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1	
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	900	
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	39	39	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-752.099976	-752.099976 ± 0.0009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.7 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	217	
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	4768.79004	
AbsHwPos_RelHwPos_HwDeg_M_f32	57.2000008	
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos	
k_HWAtoMtrADiffLimit_HwDeg_f32	424.899994	
k_HwAtoMtrAError_str.Threshold	562	
k_HwAtoMtrAError_str.PStep	77	
k_HwAtoMtrAError_str.NStep	146	
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1	
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	0	
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	294	294	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	4768.79004	4768.79004 ± 0.009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.8 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	2840
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	8429.79004
AbsHwPos_RelHwPos_HwDeg_M_f32	-33.5
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	448
k_HwAtoMtrAError_str.Threshold	654
k_HwAtoMtrAError_str.PStep	91
k_HwAtoMtrAError_str.NStep	137
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	145.600006
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	2703	2703	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-179.100006	-179.100006 ± 0.0009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	263
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	1245.22998
AbsHwPos_RelHwPos_HwDeg_M_f32	1000
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	471.100006
k_HwAtoMtrAError_str.Threshold	677
k_HwAtoMtrAError_str.PStep	105
k_HwAtoMtrAError_str.NStep	128
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-558.299988
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	135	135	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	1245.22998	1245.22998 ± 0.009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.10 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	286
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-800.210022
AbsHwPos_RelHwPos_HwDeg_M_f32	-10125
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	494.200012
k_HwAtoMtrAError_str.Threshold	7000
k_HwAtoMtrAError_str.PStep	119

Name	Input Value		
k_HwAtoMtrAError_str.NStep	119		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	123.800003		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	167	167	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-10248.7998	-10248.7998 ± 0.09	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached		1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached		1	✔

Test Step 2.11 (Repeat Count = 1)			✔
Name	**Input Value**		
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	3709		
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1		
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-2143.19995		
AbsHwPos_RelHwPos_HwDeg_M_f32	10125		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HWAtoMtrADiffLimit_HwDeg_f32	517.299988		
k_HwAtoMtrAError_str.Threshold	125		
k_HwAtoMtrAError_str.PStep	133		
k_HwAtoMtrAError_str.NStep	110		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	756		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	125	125	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-2143.19995	-2143.19995 ± 0.009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached		1	✔

Test Step 2.12 (Repeat Count = 1)			✔
Name	**Input Value**		
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	332		
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0		
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-3486.18994		
AbsHwPos_RelHwPos_HwDeg_M_f32	0		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HWAtoMtrADiffLimit_HwDeg_f32	540.400024		
k_HwAtoMtrAError_str.Threshold	148		
k_HwAtoMtrAError_str.PStep	147		
k_HwAtoMtrAError_str.NStep	101		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-465.5		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	231	231	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	465.5	465.5 ± 0.0009	✔

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace				✔
Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.13 (Repeat Count = 1)		✔
Name	Input Value	
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	355	
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-4829.18018	
AbsHwPos_RelHwPos_HwDeg_M_f32	465.299988	
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos	
k_HWAtoMtrADiffLimit_HwDeg_f32	563.5	
k_HwAtoMtrAError_str.Threshold	1718	
k_HwAtoMtrAError_str.PStep	161	
k_HwAtoMtrAError_str.NStep	92	
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1	
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	312.700012	
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	516	516	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-4829.18018	-4829.18018 ± 0.009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace				✔
Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.14 (Repeat Count = 1)		✔
Name	Input Value	
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	378	
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0	
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-6172.16992	
AbsHwPos_RelHwPos_HwDeg_M_f32	-88.9899979	
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos	
k_HWAtoMtrADiffLimit_HwDeg_f32	586.599976	
k_HwAtoMtrAError_str.Threshold	194	
k_HwAtoMtrAError_str.PStep	175	
k_HwAtoMtrAError_str.NStep	83	
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1	
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-469.399994	
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	295	295	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	380.410004	380.410004 ± 0.0009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace				✔
Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.15 (Repeat Count = 1)

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	0
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-7515.16016
AbsHwPos_RelHwPos_HwDeg_M_f32	101.400002
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	212.399994
k_HwAtoMtrAError_str.Threshold	217
k_HwAtoMtrAError_str.PStep	189
k_HwAtoMtrAError_str.NStep	74
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	626.099976
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	189	189	✓
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✓
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-7515.16016	-7515.16016 ± 0.009	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✓

Test Step 2.16 (Repeat Count = 1)

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	65535
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-8858.15039
AbsHwPos_RelHwPos_HwDeg_M_f32	-457
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	62.7999992
k_HwAtoMtrAError_str.Threshold	2840
k_HwAtoMtrAError_str.PStep	203
k_HwAtoMtrAError_str.NStep	65
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-782.799988
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	65470	65470	✓
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✓
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	325.799988	325.799988 ± 0.0009	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✓

Test Step 2.17 (Repeat Count = 1)

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	4475
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-10201.1396
AbsHwPos_RelHwPos_HwDeg_M_f32	123.800003
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	655.900024
k_HwAtoMtrAError_str.Threshold	263

Name	Input Value		
k_HwAtoMtrAError_str.PStep	217		
k_HwAtoMtrAError_str.NStep	105		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	692.099976		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	263	263	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-10201.1396	-10201.1396 ± 0.09	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔	

Test Step 2.18 (Repeat Count = 1)				✔

Name	Input Value		
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	470		
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1		
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	700.22998		
AbsHwPos_RelHwPos_HwDeg_M_f32	756		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HWAtoMtrADiffLimit_HwDeg_f32	0		
k_HwAtoMtrAError_str.Threshold	286		
k_HwAtoMtrAError_str.PStep	231		
k_HwAtoMtrAError_str.NStep	119		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-601.400024		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	286	286	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	700.22998	700.22998 ± 0.0009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔	

Test Step 2.19 (Repeat Count = 1)				✔

Name	Input Value		
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	493		
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0		
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	1897.31995		
AbsHwPos_RelHwPos_HwDeg_M_f32	-465.5		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HWAtoMtrADiffLimit_HwDeg_f32	1600		
k_HwAtoMtrAError_str.Threshold	3709		
k_HwAtoMtrAError_str.PStep	245		
k_HwAtoMtrAError_str.NStep	133		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	510.700012		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	360	360	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-976.200012	-976.200012 ± 0.0009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.20 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	516
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	3094.40991
AbsHwPos_RelHwPos_HwDeg_M_f32	312.700012
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	30
k_HwAtoMtrAError_str.Threshold	332
k_HwAtoMtrAError_str.PStep	236
k_HwAtoMtrAError_str.NStep	147
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	420
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	332	332	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	3094.40991	3094.40991 ± 0.009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.21 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	5398
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	4291.5
AbsHwPos_RelHwPos_HwDeg_M_f32	469.399994
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	564
k_HwAtoMtrAError_str.Threshold	0
k_HwAtoMtrAError_str.PStep	227
k_HwAtoMtrAError_str.NStep	161
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-329.299988
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	5237	5237	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	798.699951	798.700012 ± 0.0009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔	
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔	

Test Step 2.22 (Repeat Count = 1)			✔
Name	**Input Value**		
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	562		
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1		
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	5488.58984		
AbsHwPos_RelHwPos_HwDeg_M_f32	1016.09998		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HWAtoMtrADiffLimit_HwDeg_f32	1021.70001		
k_HwAtoMtrAError_str.Threshold	65535		
k_HwAtoMtrAError_str.PStep	218		
k_HwAtoMtrAError_str.NStep	175		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-238.600006		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	780	780	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	5488.58984	5488.58984 ± 0.009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔	
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔	

Test Step 2.23 (Repeat Count = 1)			✔
Name	**Input Value**		
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	585		
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0		
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	6685.68018		
AbsHwPos_RelHwPos_HwDeg_M_f32	-782.799988		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HWAtoMtrADiffLimit_HwDeg_f32	179.399994		
k_HwAtoMtrAError_str.Threshold	200		
k_HwAtoMtrAError_str.PStep	182		
k_HwAtoMtrAError_str.NStep	189		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	147.899994		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	396	396	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-930.699951	-930.700012 ± 0.0009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔	
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔	

Test Step 2.24 (Repeat Count = 1)   ✓

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	108
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	7882.77002
AbsHwPos_RelHwPos_HwDeg_M_f32	692.099976
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	137.100006
k_HwAtoMtrAError_str.Threshold	489
k_HwAtoMtrAError_str.PStep	0
k_HwAtoMtrAError_str.NStep	203
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	600
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	0	0	✓
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✓
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	92.0999756	92.0999985 ± 0.00009	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓

Test Step Call Trace   ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✓

Test Step 2.25 (Repeat Count = 1)   ✓

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	6317
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	9079.86035
AbsHwPos_RelHwPos_HwDeg_M_f32	756
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	694.799988
k_HwAtoMtrAError_str.Threshold	646
k_HwAtoMtrAError_str.PStep	255
k_HwAtoMtrAError_str.NStep	217
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-33.5
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	646	646	✓
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✓
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	9079.86035	9079.86035 ± 0.009	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓

Test Step Call Trace   ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✓

Test Step 2.26 (Repeat Count = 1)   ✓

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	654
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	10276.9502
AbsHwPos_RelHwPos_HwDeg_M_f32	819.900024
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	123

Name	Input Value		
k_HwAtoMtrAError_str.Threshold	8974		
k_HwAtoMtrAError_str.PStep	4		
k_HwAtoMtrAError_str.NStep	199		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-897.099976		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	455	455	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	1717	1717 ± 0.009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.27 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	677		
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0		
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-5478.31982		
AbsHwPos_RelHwPos_HwDeg_M_f32	-883.799988		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HWAtoMtrADiffLimit_HwDeg_f32	1310.19995		
k_HwAtoMtrAError_str.Threshold	424		
k_HwAtoMtrAError_str.PStep	173		
k_HwAtoMtrAError_str.NStep	0		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	465.299988		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	677	677	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-1349.09998	-1349.09998 ± 0.009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.28 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	7000		
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1		
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	1		
AbsHwPos_RelHwPos_HwDeg_M_f32	947.700012		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HWAtoMtrADiffLimit_HwDeg_f32	1367.90002		
k_HwAtoMtrAError_str.Threshold	4477		
k_HwAtoMtrAError_str.PStep	164		
k_HwAtoMtrAError_str.NStep	255		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-88.9899979		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	6745	6745	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	1	1 ± 0.000009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.29 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	723
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	1457.31995
AbsHwPos_RelHwPos_HwDeg_M_f32	-1011.59998
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	1425.59998
k_HwAtoMtrAError_str.Threshold	1470
k_HwAtoMtrAError_str.PStep	155
k_HwAtoMtrAError_str.NStep	1
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	75.75
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	722	722	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-1087.34998	-1087.34998 ± 0.009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.30 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	516
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-1245.59998
AbsHwPos_RelHwPos_HwDeg_M_f32	-465.5
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	378.700012
k_HwAtoMtrAError_str.Threshold	470
k_HwAtoMtrAError_str.PStep	124
k_HwAtoMtrAError_str.NStep	203
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	0
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	692.099976
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	0	0	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0	0	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-1245.59998	-1245.59998 ± 0.009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 2.31 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	5398
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	1247
AbsHwPos_RelHwPos_HwDeg_M_f32	312.700012
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	401.799988
k_HwAtoMtrAError_str.Threshold	493
k_HwAtoMtrAError_str.PStep	32
k_HwAtoMtrAError_str.NStep	217
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	0
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-601.400024
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	0	0	✓
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0	0	✓
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	1247	1247 ± 0.009	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✓

Test Step 2.32 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	562
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-11026
AbsHwPos_RelHwPos_HwDeg_M_f32	469.399994
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	424.899994
k_HwAtoMtrAError_str.Threshold	516
k_HwAtoMtrAError_str.PStep	145
k_HwAtoMtrAError_str.NStep	231
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	510.700012
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	516	516	✓
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✓
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-11026	-11026 ± 0.09	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✓

Test Step 2.33 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	585
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	11026
AbsHwPos_RelHwPos_HwDeg_M_f32	1016.09998
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos

Name	Input Value		
k_HWAtoMtrADiffLimit_HwDeg_f32	448		
k_HwAtoMtrAError_str.Threshold	5398		
k_HwAtoMtrAError_str.PStep	99		
k_HwAtoMtrAError_str.NStep	245		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	420		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	340	340	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	596.099976	596.099976 ± 0.0009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔	
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔	

Test Step 2.34 (Repeat Count = 1)   ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	108
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	2145.66992
AbsHwPos_RelHwPos_HwDeg_M_f32	-782.799988
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	471.100006
k_HwAtoMtrAError_str.Threshold	562
k_HwAtoMtrAError_str.PStep	87
k_HwAtoMtrAError_str.NStep	236
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-329.299988
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	195	195	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	2145.66992	2145.66992 ± 0.009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔	
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔	

Test Step 2.35 (Repeat Count = 1)   ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	6317
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	0
AbsHwPos_RelHwPos_HwDeg_M_f32	692.099976
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	494.200012
k_HwAtoMtrAError_str.Threshold	654
k_HwAtoMtrAError_str.PStep	128
k_HwAtoMtrAError_str.NStep	227
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-238.600006
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	654	654	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✓
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	0	0 ± 0.000009	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✓

Test Step 2.36 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	654
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-7894.12012
AbsHwPos_RelHwPos_HwDeg_M_f32	469.399994
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	517.299988
k_HwAtoMtrAError_str.Threshold	677
k_HwAtoMtrAError_str.PStep	214
k_HwAtoMtrAError_str.NStep	91
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	100
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	563	563	✓
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✓
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	369.399994	369.399994 ± 0.0009	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✓

Test Case 3: Path Test ✓

Specification

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

CPU Cycles:

TS3.1 1029.00 Cycles
TS3.2 1585.00 Cycles
TS3.3 1575.00 Cycles
TS3.4 1119.00 Cycles
TS3.5 1104.00 Cycles
```

Description

```
Vector Description:

TS3.1(I2CHwAbsPosValid_Cnt_T_lgc == TRUE)=False
TS3.2"(I2CHwAbsPosValid_Cnt_T_lgc == TRUE)=True
(FALSE == AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc)=False
 (Abs_f32_m(I2CHwAbsPos_HwDeg_T_f32 - NewRelHwPos_HwDeg_T_f32) >= k_HWAtoMtrADiffLimit_HwDeg_f32)=True
(DiagFailed_m(AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16, k_HwAtoMtrAError_str) == TRUE)=True"
TS3.3"(FALSE == AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc)=True
 (Abs_f32_m(I2CHwAbsPos_HwDeg_T_f32 - NewRelHwPos_HwDeg_T_f32) >= k_HWAtoMtrADiffLimit_HwDeg_f32)=False
(AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16 == 0U)=True"
TS3.4(AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16 == 0U)=False
TS3.5(DiagFailed_m(AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16, k_HwAtoMtrAError_str) == TRUE)=False
```

Test Step 3.1 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	0
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-11026
AbsHwPos_RelHwPos_HwDeg_M_f32	-10125

Name	Input Value		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HWAtoMtrADiffLimit_HwDeg_f32	0		
k_HwAtoMtrAError_str.Threshold	0		
k_HwAtoMtrAError_str.PStep	0		
k_HwAtoMtrAError_str.NStep	0		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	0		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	-900		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	0	0	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0	0	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-11026	-11026 ± 0.09	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 3.2 (Repeat Count = 1)			✔
Name	**Input Value**		
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	65535		
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1		
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	11026		
AbsHwPos_RelHwPos_HwDeg_M_f32	10125		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HWAtoMtrADiffLimit_HwDeg_f32	1600		
k_HwAtoMtrAError_str.Threshold	65535		
k_HwAtoMtrAError_str.PStep	255		
k_HwAtoMtrAError_str.NStep	255		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	900		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	65535	65535	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	11026	11026 ± 0.09	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 3.3 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	125		
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0		
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-9875.20996		
AbsHwPos_RelHwPos_HwDeg_M_f32	420		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HWAtoMtrADiffLimit_HwDeg_f32	332.5		
k_HwAtoMtrAError_str.Threshold	470		
k_HwAtoMtrAError_str.PStep	124		
k_HwAtoMtrAError_str.NStep	182		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	666.200012		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	0	0	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-246.200012	-246.199997 ± 0.0009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	117	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 3.4 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	194		
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	0		
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	1107.79004		
AbsHwPos_RelHwPos_HwDeg_M_f32	147.899994		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HWAtoMtrADiffLimit_HwDeg_f32	401.799988		
k_HwAtoMtrAError_str.Threshold	5398		
k_HwAtoMtrAError_str.PStep	10		
k_HwAtoMtrAError_str.NStep	155		
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1		
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	900		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	39	39	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	-752.099976	-752.099976 ± 0.0009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Test Step 3.5 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	217
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	4768.79004
AbsHwPos_RelHwPos_HwDeg_M_f32	57.2000008
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HWAtoMtrADiffLimit_HwDeg_f32	424.899994
k_HwAtoMtrAError_str.Threshold	562

Name	Input Value
k_HwAtoMtrAError_str.PStep	77
k_HwAtoMtrAError_str.NStep	146
tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc.value	1
tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32.value	0
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc	tgt_AbsHwPos_Per3_I2CHwAbsPosValid_Cnt_lgc
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32	tgt_AbsHwPos_Per3_I2CHwAbsPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_HwAtoMtrAFltAcc_Cnt_M_u16	294	294	✔
AbsHwPos_MtrToHwAOfstLearnt_Cnt_M_lgc	1	1	✔
AbsHwPos_MtrtoHwAOfst_HwDeg_M_f32	4768.79004	4768.79004 ± 0.009	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	117	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per3_CP1_CheckpointReached	1	✔

Razorcat

Project	AbsHwPos
Module	AbsHwPos_Tcl2lVd
Test Object	AbsHwPos_SCom_NxtSetTrim

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\AbsHwPos_Tcl2cVd_FDD05G
Configuration File	D:\Synergy_Work_Area\AbsHwPos_Tcl2cVd_FDD05G\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	$(SOURCEROOT)\Ap_AbsHwPos.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract\Ap_AbsHwPos -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'AbsHwPos_Tcl2lVd'	***Unit Test Description*** Name of Tester: Medha Sabale Code File(s) Under Test:Ap_AbsHwPos.c Code File(s) Version: 10 Module Design Document:Absolute_Handwheel_Position_Tcl2cVd_MDD.doc Module Design Document Version:11 Data Dictionary Version: 10 Unit Test Plan Version:3 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):3004 Total RAM Used (Bytes):64 Total CALS Used (Bytes):56 Special Test Requirements:NA Test Date:2/6/2017 Comments: NOTE 1:Inline functions defined in "Globalmacro.h" are not unit tested. NOTE 2: "CBD_Sandbox_dbg.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\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
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\AbsHwPos_TcI2cVd_FDD05G\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test ✔

Specification	"Performance Metrics (With "None" Instrumentation and WithPS Environment" CPU Cycles: TS1.1 937.00 Cycles TS1.2 1724.00 Cycles

Description	Vector Description:
	
	TS1.1 Shortest Execution Path:
	
	if (TurnsCntrValidity_Cnt_T_u08 == D_TCVVALID_CNT_U08)=>False"
	
	TS1.2 Longest Execution Path:
	
	if (TurnsCntrValidity_Cnt_T_u08 == D_TCVVALID_CNT_U08)=>True
	if (Abs_f32_m(TmpOffset_HwDeg_T_f32) <= k_VehCntrOffValidLimit_HwDeg_f32)=>True"

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Offset_HwDeg_T_f32	-4.2949673e+009
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_VehCntrOffValidLimit_HwDeg_f32	0
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	0

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_NxtSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600	-1600 ± 0.009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600	-1600 ± 0.009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	500
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1268.56006
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Offset_HwDeg_T_f32	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_VehCntrOffValidLimit_HwDeg_f32	1589.10815
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-700
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_NxtSetTrim()	0	0	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	500	500 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	500	500 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔

Test Case 2: Range Test ✔

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

CPU Cycles:

TS`2.1   937.00 Cycles
TS2.2   936.00 Cycles
TS2.3   1511.00 Cycles
TS2.4   1512.00 Cycles
TS2.5   1725.00 Cycles
TS2.6   1511.00 Cycles
TS2.7   1511.00 Cycles
TS2.8   936.00 Cycles
TS2.9   935.00 Cycles
TS2.10  934.00 Cycles
TS2.11  1511.00 Cycles
TS2.12  1512.00 Cycles
TS2.13  1512.00 Cycles
TS2.14  1512.00 Cycles
TS2.15  1512.00 Cycles
TS2.16  1512.00 Cycles
TS2.17  1725.00 Cycles
TS2.18  1511.00 Cycles
```

Description   Vector Description:

TS2.1 All Min
TS2.2 All Max
TS2.3 Offset_HwDeg_T_f32=>Min
TS2.4 Offset_HwDeg_T_f32=>Max
TS2.5 Offset_HwDeg_T_f32=>Zero
TS2.6 Offset_HwDeg_T_f32=>Pos
TS2.7 Offset_HwDeg_T_f32=>Neg
TS2.8 TurnsCounterValidity_Cnt_u08=>Min
TS2.9 TurnsCounterValidity_Cnt_u08=>Max
TS2.10 TurnsCounterValidity_Cnt_u08=>Zero
TS2.11 AbsHwPos_AlignedCumMtrPos_HwDeg_M_f32=>Min
TS2.12 AbsHwPos_AlignedCumMtrPos_HwDeg_M_f32=>Max
TS2.13 AbsHwPos_AlignedCumMtrPos_HwDeg_M_f32=>Zero
TS2.14 AbsHwPos_AlignedCumMtrPos_HwDeg_M_f32=>Pos
TS2.15 AbsHwPos_AlignedCumMtrPos_HwDeg_M_f32=>Neg
TS2.16 k_VehCntrOffValidLimit_HwDeg_f32=>Min
TS2.17 k_VehCntrOffValidLimit_HwDeg_f32=>Max/Default
TS2.18 k_VehCntrOffValidLimit_HwDeg_f32=>Pos

Test Step 2.1 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Offset_HwDeg_T_f32	-4.2949673e+009
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_VehCntrOffValidLimit_HwDeg_f32	0
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	0

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_NxtSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600	-1600 ± 0.009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600	-1600 ± 0.009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔

Test Step 2.2 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	10125
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Offset_HwDeg_T_f32	4.2949673e+009
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_VehCntrOffValidLimit_HwDeg_f32	1600
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	255

Name	Actual Value	Expected Value	Result
			✔

AbsHwPos_SCom_NxtSetTrim

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_NxtSetTrim()	34	34	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔

Test Step 2.3 (Repeat Count = 1)				✔
Name	**Input Value**			
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2171.08569			
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1039.48999			
AbsHwPos_VehCntrValid_Cnt_M_lgc	0			
Offset_HwDeg_T_f32	-4.2949673e+009			
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos			
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data			
k_VehCntrOffValidLimit_HwDeg_f32	1541.24792			
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1039.22998			
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset			
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100			
Name	**Actual Value**		**Expected Value**	**Result**
AbsHwPos_SCom_NxtSetTrim()	49		49	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1039.48999		1039.48999 ± 0.009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0		0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1039.22998		1039.22998 ± 0.009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔

Test Step 2.4 (Repeat Count = 1)				✔
Name	**Input Value**			
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	2617.10376			
AbsHwPos_VehCntrOffset_HwDeg_M_f32	700.849976			
AbsHwPos_VehCntrValid_Cnt_M_lgc	1			
Offset_HwDeg_T_f32	4.2949673e+009			
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos			
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data			
k_VehCntrOffValidLimit_HwDeg_f32	1493.81677			
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	0			
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset			
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100			
Name	**Actual Value**		**Expected Value**	**Result**
AbsHwPos_SCom_NxtSetTrim()	49		49	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	700.849976		700.849976 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1		1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	0		0 ± 0.000009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔

Test Step 2.5 (Repeat Count = 1)	✔
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	500
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1268.56006
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Offset_HwDeg_T_f32	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_VehCntrOffValidLimit_HwDeg_f32	1589.10815
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-700

Name	Input Value		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100		

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_NxtSetTrim()	0	0	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	500	500 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	500	500 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock		1	✔

Test Step 2.6 (Repeat Count = 1)			✔
Name	**Input Value**		
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	600		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-887		
AbsHwPos_VehCntrValid_Cnt_M_lgc	1		
Offset_HwDeg_T_f32	277082.563		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data		
k_VehCntrOffValidLimit_HwDeg_f32	1344.17737		
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	100		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_SCom_NxtSetTrim()	49	49	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-887	-887 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	100	100 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08		1	✔

Test Step 2.7 (Repeat Count = 1)			✔
Name	**Input Value**		
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1639.56409		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-460.230011		
AbsHwPos_VehCntrValid_Cnt_M_lgc	0		
Offset_HwDeg_T_f32	-123.209999		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data		
k_VehCntrOffValidLimit_HwDeg_f32	655.326538		
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	200		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_SCom_NxtSetTrim()	49	49	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-460.230011	-460.230011 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	200	200 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08		1	✔

Test Step 2.8 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-648.309998	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	171.100006	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Offset_HwDeg_T_f32	1296856.88	

Name	Input Value			
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos			
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data			
k_VehCntrOffValidLimit_HwDeg_f32	1289.24597			
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	300.01001			
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset			
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	0			
Name	Actual Value		Expected Value	Result
AbsHwPos_SCom_NxtSetTrim()	34		34	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	171.100006		171.100006 ± 0.0009	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1		1	✓
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	300.01001		300.01001 ± 0.0009	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✓

Test Step 2.9 (Repeat Count = 1)   ✓

Name	Input Value			
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	988.5			
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-461.790009			
AbsHwPos_VehCntrValid_Cnt_M_lgc	0			
Offset_HwDeg_T_f32	332748.344			
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos			
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data			
k_VehCntrOffValidLimit_HwDeg_f32	1584.07458			
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	400			
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset			
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	255			
Name	Actual Value		Expected Value	Result
AbsHwPos_SCom_NxtSetTrim()	34		34	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-461.790009		-461.790009 ± 0.0009	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0		0	✓
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	400		400 ± 0.0009	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✓

Test Step 2.10 (Repeat Count = 1)   ✓

Name	Input Value			
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1024			
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-946			
AbsHwPos_VehCntrValid_Cnt_M_lgc	1			
Offset_HwDeg_T_f32	60205312			
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos			
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data			
k_VehCntrOffValidLimit_HwDeg_f32	413.765717			
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	500			
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset			
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	56			
Name	Actual Value		Expected Value	Result
AbsHwPos_SCom_NxtSetTrim()	34		34	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-946		-946 ± 0.0009	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1		1	✓
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	500		500 ± 0.0009	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✓

Test Step 2.11 (Repeat Count = 1)   ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125

Name	Input Value		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1039.48999		
AbsHwPos_VehCntrValid_Cnt_M_lgc	0		
Offset_HwDeg_T_f32	3267.28003		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data		
k_VehCntrOffValidLimit_HwDeg_f32	1541.24792		
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1039		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_SCom_NxtSetTrim()	49	49	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1039.48999	1039.48999 ± 0.009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1039	1039 ± 0.009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔

Test Step 2.12 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	10125		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	416.5		
AbsHwPos_VehCntrValid_Cnt_M_lgc	0		
Offset_HwDeg_T_f32	547		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data		
k_VehCntrOffValidLimit_HwDeg_f32	1112.06665		
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	700.02002		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_SCom_NxtSetTrim()	49	49	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	416.5	416.5 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	700.02002	700.02002 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔

Test Step 2.13 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	0		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1153.65002		
AbsHwPos_VehCntrValid_Cnt_M_lgc	1		
Offset_HwDeg_T_f32	305.294006		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data		
k_VehCntrOffValidLimit_HwDeg_f32	27.1989002		
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	800		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_SCom_NxtSetTrim()	49	49	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1153.65002	-1153.65002 ± 0.009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	800	800 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔

Test Step 2.14 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1245.01001
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1404.81006
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Offset_HwDeg_T_f32	194.787994
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_VehCntrOffValidLimit_HwDeg_f32	698
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-100
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_NxtSetTrim()	49	49	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1404.81006	-1404.81006 ± 0.009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-100	-100 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔

Test Step 2.15 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-3264.02002
AbsHwPos_VehCntrOffset_HwDeg_M_f32	430.045013
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Offset_HwDeg_T_f32	177.820007
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_VehCntrOffValidLimit_HwDeg_f32	1347.19995
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-200
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_NxtSetTrim()	49	49	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	430.045013	430.045013 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-200	-200 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔

Test Step 2.16 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2590.63379
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1084.21997
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Offset_HwDeg_T_f32	542.099976
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_VehCntrOffValidLimit_HwDeg_f32	0
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-300.019989
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_NxtSetTrim()	49	49	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1084.21997	1084.21997 ± 0.009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-300.019989	-300.019989 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔

Test Step 2.17 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	104.297646		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-564		
AbsHwPos_VehCntrValid_Cnt_M_lgc	0		
Offset_HwDeg_T_f32	964.200012		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data		
k_VehCntrOffValidLimit_HwDeg_f32	1600		
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	364		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_SCom_NxtSetTrim()	0	0	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-859.902344	-859.902344 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-859.902344	-859.902344 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔

Test Step 2.18 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1481.36023		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	874		
AbsHwPos_VehCntrValid_Cnt_M_lgc	1		
Offset_HwDeg_T_f32	356		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data		
k_VehCntrOffValidLimit_HwDeg_f32	1000.12		
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	736		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_SCom_NxtSetTrim()	49	49	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	874	874 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	736	736 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔

Test Case 3: Path Test ✔

Specification

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

CPU Cycles:

TS3.1  937.00 Cycles
TS3.2  1724.00 Cycles
TS3.3  1513.00 Cycles
```

Description   Vector Description:

```
TS3.1  if (TurnsCntrValidity_Cnt_T_u08 == D_TCVVALID_CNT_U08)=>False
TS3.2  "if (TurnsCntrValidity_Cnt_T_u08 == D_TCVVALID_CNT_U08)=>True
if (Abs_f32_m(TmpOffset_HwDeg_T_f32) <= k_VehCntrOffValidLimit_HwDeg_f32)=>True"
TS3.3  if (Abs_f32_m(TmpOffset_HwDeg_T_f32) <= k_VehCntrOffValidLimit_HwDeg_f32)=>False
```

Test Step 3.1 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600

Name	Input Value		
AbsHwPos_VehCntrValid_Cnt_M_lgc	0		
Offset_HwDeg_T_f32	-4.2949673e+009		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data		
k_VehCntrOffValidLimit_HwDeg_f32	0		
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	0		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_SCom_NxtSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600	-1600 ± 0.009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600	-1600 ± 0.009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08		1	✔

Test Step 3.2 (Repeat Count = 1)				✔
Name	**Input Value**			
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	500			
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1268.56006			
AbsHwPos_VehCntrValid_Cnt_M_lgc	0			
Offset_HwDeg_T_f32	0			
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos			
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data			
k_VehCntrOffValidLimit_HwDeg_f32	1589.10815			
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-700			
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset			
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100			
Name	**Actual Value**	**Expected Value**		**Result**
AbsHwPos_SCom_NxtSetTrim()	0	0		✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	500	500 ± 0.0009		✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1		✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	500	500 ± 0.0009		✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock		1	✔

Test Step 3.3 (Repeat Count = 1)				✔
Name	**Input Value**			
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2171.08569			
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1039.48999			
AbsHwPos_VehCntrValid_Cnt_M_lgc	0			
Offset_HwDeg_T_f32	-4.2949673e+009			
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos			
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data			
k_VehCntrOffValidLimit_HwDeg_f32	1541.24792			
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1039.22998			
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset			
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100			
Name	**Actual Value**	**Expected Value**		**Result**
AbsHwPos_SCom_NxtSetTrim()	49	49		✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1039.48999	1039.48999 ± 0.009		✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0		✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1039.22998	1039.22998 ± 0.009		✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08		1	✔

Project	AbsHwPos
Module	AbsHwPos_Tcl2lVd
Test Object	AbsHwPos_SCom_NxtClearTrim

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\AbsHwPos_Tcl2cVd_FDD05G
Configuration File	D:\Synergy_Work_Area\AbsHwPos_Tcl2cVd_FDD05G\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	$(SOURCEROOT)\Ap_AbsHwPos.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract\Ap_AbsHwPos -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'AbsHwPos_Tcl2lVd'	***Unit Test Description*** Name of Tester: Medha Sabale Code File(s) Under Test:Ap_AbsHwPos.c Code File(s) Version: 10 Module Design Document:Absolute_Handwheel_Position_Tcl2cVd_MDD.doc Module Design Document Version:11 Data Dictionary Version: 10 Unit Test Plan Version:3 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):3004 Total RAM Used (Bytes):64 Total CALS Used (Bytes):56 Special Test Requirements:NA Test Date:2/6/2017 Comments: NOTE 1:Inline functions defined in "Globalmacro.h" are not unit tested. NOTE 2: "CBD_Sandbox_dbg.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\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
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\AbsHwPos_TcI2cVd_FDD05G\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Range Test ✔

Specification

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

CPU Cycles:

TS1.1  381.00 Cycles
TS1.2  381.00 Cycles
TS1.3  381.00 Cycles
TS1.4  381.00 Cycles
TS1.5  381.00 Cycles
```

Description   Vector Description:

```
TS1.1  AbsHwPos_VehCntrOffset_HwDeg_M_f32=Min
TS1.2  AbsHwPos_VehCntrOffset_HwDeg_M_f32=Max
TS1.3  AbsHwPos_VehCntrOffset_HwDeg_M_f32=Mid
TS1.4  AbsHwPos_VehCntrOffset_HwDeg_M_f32=Pos
TS1.5  AbsHwPos_VehCntrOffset_HwDeg_M_f32=Neg
```

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔

Test Step 1.3 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	0		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔

Test Step 1.4 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_VehCntrOffset_HwDeg_M_f32	12564.01
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos

Name	Input Value			
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset			
Name	**Actual Value**	**Expected Value**		**Result**
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09		✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0		✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09		✔

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

Test Step 1.5 (Repeat Count = 1)				✔
Name	**Input Value**			
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1523.02			
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos			
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset			
Name	**Actual Value**	**Expected Value**		**Result**
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09		✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0		✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09		✔

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

Razorcat

Project	AbsHwPos
Module	AbsHwPos_Tcl2lVd
Test Object	AbsHwPos_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	2
Successful	2 ✔
Failed	0
Not Executed	0

Module Properties

Project Root Directory	D:\Synergy_Work_Area\AbsHwPos_Tcl2cVd_FDD05G
Configuration File	D:\Synergy_Work_Area\AbsHwPos_Tcl2cVd_FDD05G\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	$(SOURCEROOT)\Ap_AbsHwPos.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract\Ap_AbsHwPos -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'AbsHwPos_Tcl2lVd'	***Unit Test Description*** Name of Tester: Medha Sabale Code File(s) Under Test:Ap_AbsHwPos.c Code File(s) Version: 10 Module Design Document:Absolute_Handwheel_Position_Tcl2cVd_MDD.doc Module Design Document Version:11 Data Dictionary Version: 10 Unit Test Plan Version:3 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):3004 Total RAM Used (Bytes):64 Total CALS Used (Bytes):56 Special Test Requirements:NA Test Date:2/6/2017 Comments: NOTE 1:Inline functions defined in "Globalmacro.h" are not unit tested. NOTE 2: "CBD_Sandbox_dbg.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\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
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\AbsHwPos_TcI2cVd_FDD05G\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test ✔

Specification	"Performance Metrics (With "None" Instrumentation and WithPS Environment" CPU Cycles: TS1.1 1158.00 Cycles TS1.2 1714.00 Cycles
Description	Vector Description: TS1.1 Shortest Execution Path: (AbsHwPos_RelHwPos_HwDeg_M_f32>=D_RELHWPOSMAX_HWDEG_F32)=>True" TS1.2 Longest Execution Path: (AbsHwPos_RelHwPos_HwDeg_M_f32<=D_RELHWPOSMAX_HWDEG_F32)=>True"

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	10125
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	1
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	10000
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	125
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	10000
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	9875	9875	✔
AbsHwPos_RelHwPos_HwDeg_M_f32	9875	9875 ± 0.009	✔
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	3200	3200	✔
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	3200	3200 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.00999999978
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	-10000
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	-125
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	-10000
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	25	25	✔
AbsHwPos_RelHwPos_HwDeg_M_f32	25	25 ± 0.00009	✔
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	25	25	✔
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	25	25 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✔

Test Case 2: Range Test ✔

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

CPU Cycles:

TS2.1   1718.00 Cycles
TS2.2   1158.00 Cycles
TS2.3   1715.00 Cycles
TS2.4   1714.00 Cycles
TS2.5   1715.00 Cycles
TS2.6   1715.00 Cycles
TS2.7   1721.00 Cycles
TS2.8   1714.00 Cycles
TS2.9   1715.00 Cycles
TS2.10  1715.00 Cycles
TS2.11  1715.00 Cycles
TS2.12  1715.00 Cycles
TS2.13  1715.00 Cycles
TS2.14  1715.00 Cycles
TS2.15  1715.00 Cycles
TS2.16  1715.00 Cycles
TS2.17  1715.00 Cycles
TS2.18  1715.00 Cycles
TS2.19  1715.00 Cycles
TS2.20  1715.00 Cycles
TS2.21  1715.00 Cycles
TS2.22  1715.00 Cycles
TS2.23  1715.00 Cycles
TS2.24  1715.00 Cycles
TS2.25  1715.00 Cycles
```

Description
Vector Description:

TS 2.1All Min
TS 2.2All Max
TS 2.3AlignedCumMechMtrPosCRF_Deg_f32==>Min
TS 2.4AlignedCumMechMtrPosCRF_Deg_f32==>Max
TS 2.5AlignedCumMechMtrPosCRF_Deg_f32==>Pos
TS 2.6AlignedCumMechMtrPosCRF_Deg_f32==>Zero
TS 2.7AlignedCumMechMtrPosCRF_Deg_f32==>Neg
TS 2.8ComplError_HwDeg_f32==>Min
TS 2.9ComplError_HwDeg_f32==>Max
TS 2.10ComplError_HwDeg_f32==>Pos
TS 2.11ComplError_HwDeg_f32==>Zero
TS 2.12ComplError_HwDeg_f32==>Neg
TS 2.13CumMechMtrPosCRF_Deg_f32==>Min
TS 2.14CumMechMtrPosCRF_Deg_f32==>Max
TS 2.15CumMechMtrPosCRF_Deg_f32==>Pos
TS 2.16CumMechMtrPosCRF_Deg_f32==>Zero
TS 2.17CumMechMtrPosCRF_Deg_f32==>Neg
TS 2.18k_GearRatio_Uls_f32==>Min
TS 2.19k_GearRatio_Uls_f32==>Max
TS 2.20k_GearRatio_Uls_f32==>Pos/Default
TS 2.21AbsHwPos_AlignedRelHwPos_HwDeg_M_f32==>Min
TS 2.22AbsHwPos_AlignedRelHwPos_HwDeg_M_f32==>Max
TS 2.23AbsHwPos_AlignedRelHwPos_HwDeg_M_f32==>Zero
TS 2.24AbsHwPos_AlignedRelHwPos_HwDeg_M_f32==>Pos
TS 2.25AbsHwPos_AlignedRelHwPos_HwDeg_M_f32==>Neg

Test Step 2.1 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.00999999978
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	-10000
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	-125
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	-10000
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	25	25.0000019	✔
AbsHwPos_RelHwPos_HwDeg_M_f32	25	25 ± 0.00009	✔
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	25	25.0000019	✔
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	25	25 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✔

Test Step 2.2 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	10125
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	1
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	10000
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	125
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	10000
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	9875	9875	✔
AbsHwPos_RelHwPos_HwDeg_M_f32	9875	9875 ± 0.009	✔
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	3200	3200	✔
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	3200	3200 ± 0.1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✔

Test Step 2.3 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2171.08569
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	1
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	-10000
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	125
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	647.200012
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125	-10125	✔
AbsHwPos_RelHwPos_HwDeg_M_f32	522.200012	522.200012 ± 0.0009	✔
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	-3200	-3200	✔
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	522.200012	522.200012 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✔

Test Step 2.4 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	2617.10376
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.0299999993
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	10000
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	101.199997
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	-361
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	198.800003	198.800003	✔
AbsHwPos_RelHwPos_HwDeg_M_f32	-112.029999	-112.029999 ± 0.0009	✔
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	198.800003	198.800003	✔
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	-112.029999	-112.029999 ± 0.1	✔

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✓

Test Step 2.5 (Repeat Count = 1)				✓
Name	**Input Value**			
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	500			
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos			
k_GearRatio_Uls_f32	0.0399999991			
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	543.869995			
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	-54.7999992			
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	912			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32			
Name	**Actual Value**	**Expected Value**		**Result**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	76.5547943	76.5548019		✓
AbsHwPos_RelHwPos_HwDeg_M_f32	91.2799988	91.2799988 ± 0.00009		✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	76.5547943	76.5548019		✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	91.2799988	91.2799988 ± 0.1		✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✓

Test Step 2.6 (Repeat Count = 1)				✓
Name	**Input Value**			
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	600			
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos			
k_GearRatio_Uls_f32	0.0500000007			
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	0			
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	31.7000008			
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	6123.6001			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32			
Name	**Actual Value**	**Expected Value**		**Result**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-31.7000008	-31.7000008		✓
AbsHwPos_RelHwPos_HwDeg_M_f32	274.480011	274.480011 ± 0.0009		✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	-31.7000008	-31.7000008		✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	274.480011	274.480011 ± 0.1		✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✓

Test Step 2.7 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1639.56409	
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos	
k_GearRatio_Uls_f32	1	
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	-879.599976	
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	89	
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	-4456	
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32	
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	

Name	Input Value			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32			

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-968.599976	-968.599976	✔
AbsHwPos_RelHwPos_HwDeg_M_f32	-4545	-4545 ± 00.009	✔
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	-968.599976	-968.599976	✔
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	-3200	-3200 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✔

Test Step 2.8 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-648.309998
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.0700000003
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	7645.12012
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	-125
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	1023.53998
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	660.158386	660.158386	✔
AbsHwPos_RelHwPos_HwDeg_M_f32	196.647797	196.647797 ± 0.0009	✔
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	660.158386	660.158386	✔
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	196.647797	196.647797 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	988.5
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.0799999982
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	8123.3999
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	125
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	4789.6001
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	524.871948	524.871948	✔
AbsHwPos_RelHwPos_HwDeg_M_f32	258.167999	258.167999 ± 0.0009	✔
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	524.871948	524.871948	✔
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	258.167999	258.167999 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✔

Test Step 2.10 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1024
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.0900000036
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	-8601.67969
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	66.5
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	8555.66016
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-840.651184	-840.651184	✓
AbsHwPos_RelHwPos_HwDeg_M_f32	703.50946	703.509399 ± 0.0009	✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	-840.651184	-840.651184	✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	703.50946	703.509399 ± 0.1	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✓

Test Step 2.11 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	125.146599
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.100000001
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	9079.95996
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	0
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	648.599976
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	907.996033	907.996033	✓
AbsHwPos_RelHwPos_HwDeg_M_f32	64.8600006	64.8600006 ± 0.00009	✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	907.996033	907.996033	✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	64.8600006	64.8600006 ± 0.1	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✓

Test Step 2.12 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	102.424004
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.109999999
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	647.200012
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	-75.5
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	987.099976
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	146.692001	146.692001	✓
AbsHwPos_RelHwPos_HwDeg_M_f32	184.080994	184.080994 ± 0.0009	✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	146.692001	146.692001	✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	184.080994	184.080994 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✓

Test Step 2.13 (Repeat Count = 1) ✓

| Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	135.449997
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.119999997
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	-361
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	41.9000015
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	-10000
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-85.2200012	-85.2200012	✓
AbsHwPos_RelHwPos_HwDeg_M_f32	-1241.90002	-1241.90002 ± 0.009	✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	-85.2200012	-85.2200012	✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	-1241.90002	-1241.90002 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✓

Test Step 2.14 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1245.01001
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.129999995
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	912
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	69.4000015
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	10000
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	49.159996	49.159996	✓
AbsHwPos_RelHwPos_HwDeg_M_f32	1230.59998	1230.59998 ± 0.009	✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	49.159996	49.159996	✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	1230.59998	1230.59998 ± 0.1	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✓

Test Step 2.15 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-3264.02002
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.140000001
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	545.299988
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	-50.7999992
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	743.869995
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32

Name	Input Value			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32			

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	127.141998	127.141998	✔
AbsHwPos_RelHwPos_HwDeg_M_f32	154.941803	154.941803 ± 0.0009	✔
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	127.141998	127.141998	✔
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	154.941803	154.941803 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✔

Test Step 2.16 (Repeat Count = 1)				✔
Name	**Input Value**			
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2590.63379			
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos			
k_GearRatio_Uls_f32	0.150000006			
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	-3479			
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	99			
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	0			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32			

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-620.850037	-620.850037	✔
AbsHwPos_RelHwPos_HwDeg_M_f32	-99	-99 ± 0.00009	✔
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	-620.850037	-620.850037	✔
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	-99	-99 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✔

Test Step 2.17 (Repeat Count = 1)				✔
Name	**Input Value**			
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	104.297646			
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos			
k_GearRatio_Uls_f32	0.159999996			
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	7258			
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	-105.599998			
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	-849.599976			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32			
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32			

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1266.88	1266.88	✔
AbsHwPos_RelHwPos_HwDeg_M_f32	-30.3359909	-30.3360004 ± 0.00009	✔
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	1266.88	1266.88	✔
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	-30.3359909	-30.3360004 ± 0.1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✔
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✔

Test Step 2.18 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1481.36023
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.00999999978
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	-6123.6001
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	120.5
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	4426
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-181.735992	-181.735992	✓
AbsHwPos_RelHwPos_HwDeg_M_f32	-76.2400055	-76.2399979 ± 0.00009	✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	-181.735992	-181.735992	✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	-76.2400055	-76.2399979 ± 0.1	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✓

Test Step 2.19 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-655.123474
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	1
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	-2456
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	96.5999985
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	589
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2552.6001	-2552.6001	✓
AbsHwPos_RelHwPos_HwDeg_M_f32	492.399994	492.399994 ± 0.0009	✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	-2552.6001	-2552.6001	✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	492.399994	492.399994 ± 0.1	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✓

Test Step 2.20 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1324.41345
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.0454545468
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	1023.53998
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	-44.7999992
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	-456.5
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	91.3245468	91.3245468	✓
AbsHwPos_RelHwPos_HwDeg_M_f32	24.0499992	24.0499992 ± 0.0009	✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	91.3245468	91.3245468	✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	24.0499992	24.0499992 ± 0.0009	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✓

Test Step 2.21 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.100000001
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	8123.3999
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	-50.7999992
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	-4456
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	863.140015	863.140015	✓
AbsHwPos_RelHwPos_HwDeg_M_f32	-394.800018	-394.799988 ± 0.0009	✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	863.140015	863.140015	✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	-394.800018	-394.799988 ± 0.0009	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✓

Test Step 2.22 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	10125
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.109999999
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	-8601.67969
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	99
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	1023.53998
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-1045.18481	-1045.18481	✓
AbsHwPos_RelHwPos_HwDeg_M_f32	13.5893936	13.5894003 ± 0.0009	✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	-1045.18481	-1045.18481	✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	13.5893936	13.5894003 ± 0.0009	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	✓

Test Step 2.23 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.119999997
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	9079.95996
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	-105.599998
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	4789.6001
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32

Name	Input Value		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1195.19519	1195.19519	✓
AbsHwPos_RelHwPos_HwDeg_M_f32	680.35199	680.35199 ± 0.0009	✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	1195.19519	1195.19519	✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	680.35199	680.35199 ± 0.0009	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached		1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached		1	✓

Test Step 2.24 (Repeat Count = 1)		✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1245.01001
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.129999995
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	647.200012
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	120.5
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	8555.66016
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-36.3639984	-36.3640022	✓
AbsHwPos_RelHwPos_HwDeg_M_f32	991.73584	991.735779 ± 0.0009	✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	-36.3639984	-36.3640022	✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	991.73584	991.735779 ± 0.0009	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached		1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached		1	✓

Test Step 2.25 (Repeat Count = 1)		✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-3264.02002
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_GearRatio_Uls_f32	0.239999995
tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32.value	12.4499998
tgt_AbsHwPos_Per1_ComplError_HwDeg_f32.value	12.4499998
tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32.value	648.599976
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f	tgt_AbsHwPos_Per1_AlignedCumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32	target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_ComplError_HwDeg_f32	tgt_AbsHwPos_Per1_ComplError_HwDeg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32	tgt_AbsHwPos_Per1_CumMechMtrPosCRF_Deg_f32
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per1_RelHwPos_HwDeg_f32	tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-9.46199989	-9.46199989	✓
AbsHwPos_RelHwPos_HwDeg_M_f32	143.213989	143.214005 ± 0.0009	✓
target_AbsHwPos_Per1_AlignedRelHwPos_HwDeg_f32.value	-9.46199989	-9.46199989	✓
tgt_AbsHwPos_Per1_RelHwPos_HwDeg_f32.value	143.213989	143.214005 ± 0.0009	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP0_CheckpointReached		1	✓
Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per1_CP1_CheckpointReached		1	✓

Project	AbsHwPos
Module	AbsHwPos_Tcl2lVd
Test Object	AbsHwPos_SCom_CustClrTrim

Instrumentation: Test Object Only

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

Statistics

Total Testcases	2	
Successful	2	✔
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\AbsHwPos_Tcl2cVd_FDD05G
Configuration File	D:\Synergy_Work_Area\AbsHwPos_Tcl2cVd_FDD05G\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	$(SOURCEROOT)\Ap_AbsHwPos.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract\Ap_AbsHwPos -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'AbsHwPos_Tcl2lVd'	***Unit Test Description*** Name of Tester: Medha Sabale Code File(s) Under Test:Ap_AbsHwPos.c Code File(s) Version: 10 Module Design Document:Absolute_Handwheel_Position_Tcl2cVd_MDD.doc Module Design Document Version:11 Data Dictionary Version: 10 Unit Test Plan Version:3 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):3004 Total RAM Used (Bytes):64 Total CALS Used (Bytes):56 Special Test Requirements:NA Test Date:2/6/2017 Comments: NOTE 1:Inline functions defined in "Globalmacro.h" are not unit tested. NOTE 2: "CBD_Sandbox_dbg.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\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
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\AbsHwPos_TcI2cVd_FDD05G\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test ✔

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

CPU Cycles:

TS1.1  792.00 Cycles
TS1.2  1012.00 Cycles
```

Description   Vector Description:

TS1.1   Shortest Execution Path:

If ((ManufMode_Cnt_T_enum <> ManufacturingMode) And   (Rte_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16 <>
D_TRIMPERFORMED_CNT_U16))=>False"

TS1.2   Longest Execution Path:

If ((ManufMode_Cnt_T_enum <> ManufacturingMode) And   (Rte_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16 <>
D_TRIMPERFORMED_CNT_U16))=>True"

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
k_UseTurnsCntr_Cnt_lgc	0
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	47
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	1

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
k_UseTurnsCntr_Cnt_lgc	1
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	364
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	2

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Case 2: Range Test   ✔

Specification	"Performance Metrics (With "None" Instrumentation and WithPS Environment"

```
CPU Cycles:

TS2.1  792.00  Cycles
TS2.2  1012.00 Cycles
TS2.3  792.00  Cycles
TS2.4  1012.00 Cycles
TS2.5  792.00  Cycles
```

Description   Vector Description:

TS2.1 All Min
TS2.2 All Max
TS2.3 ManufMode_Cnt_enum==>Min
TS2.4 ManufMode_Cnt_enum==>Max
TS2.5 ManufMode_Cnt_enum==>Pos

Test Step 2.1 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
k_UseTurnsCntr_Cnt_lgc	0
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	0

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.2 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
k_UseTurnsCntr_Cnt_lgc	1
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	2

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.3 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data

Name	Input Value		
k_UseTurnsCntr_Cnt_lgc	0		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1542		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	0		

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓

Test Step 2.4 (Repeat Count = 1)   ✓

Name	Input Value		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data		
k_UseTurnsCntr_Cnt_lgc	1		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	364		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	2		

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.5 (Repeat Count = 1)   ✓

Name	Input Value		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data		
k_UseTurnsCntr_Cnt_lgc	0		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	47		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	1		

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓

Project	AbsHwPos
Module	AbsHwPos_Tcl2lVd
Test Object	AbsHwPos_SCom_CustSetTrim

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\AbsHwPos_Tcl2cVd_FDD05G
Configuration File	D:\Synergy_Work_Area\AbsHwPos_Tcl2cVd_FDD05G\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	$(SOURCEROOT)\Ap_AbsHwPos.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract\Ap_AbsHwPos -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'AbsHwPos_Tcl2lVd'	***Unit Test Description** Name of Tester: Medha Sabale Code File(s) Under Test:Ap_AbsHwPos.c Code File(s) Version: 10 Module Design Document:Absolute_Handwheel_Position_Tcl2cVd_MDD.doc Module Design Document Version:11 Data Dictionary Version: 10 Unit Test Plan Version:3 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):3004 Total RAM Used (Bytes):64 Total CALS Used (Bytes):56 Special Test Requirements:NA Test Date:2/6/2017 Comments: NOTE 1:Inline functions defined in "Globalmacro.h" are not unit tested. NOTE 2: "CBD_Sandbox_dbg.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\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
Time Unit	Cycles
Timer Enabled	False

2017-02-06, 14:37:18+0530

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\AbsHwPos_TcI2cVd_FDD05G\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test ✔

Specification	"Performance Metrics (With "None" Instrumentation and WithPS Environment" CPU Cycles: TS1.1 2163.00 Cycles TS1.2 2974.00 Cycles

Description	Vector Description:
	
	TS1.1 Shortest Execution Path:
	
	if (TurnsCntrValidity_Cnt_T_u08 == D_TCVVALID_CNT_U08)=>False
	if (AbsHwPos_VehCntrValid_Cnt_M_lgc == FALSE)=>True"
	
	TS1.2 Longest Execution Path:
	
	if (Abs_f32_m(AbsHwPos_AlignedCumMtrPos_HwDeg_M_f32) <= k_VehCntrOffValidLimit_HwDeg_f32)=>True
	if (AbsHwPos_VehCntrValid_Cnt_M_lgc == FALSE)=>False"

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	0
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	0
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	0

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	468.011292
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-820.067871
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1074.49158
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1933
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	1
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	0	0	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	468.011292	468.011292 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Name	Actual Value	Expected Value	Result
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	468.011292	468.011292 ± 0.0009	✓
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690	43690	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✓
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓

Test Case 2: Range Test ✓

Specification

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

CPU Cycles:

TS2.1   2163.00 Cycles
TS2.2   2387.00 Cycles
TS2.3   2753.00 Cycles
TS2.4   2387.00 Cycles
TS2.5   2166.00 Cycles
TS2.6   2385.00 Cycles
TS2.7   2166.00 Cycles
TS2.8   2972.00 Cycles
TS2.9   2166.00 Cycles
TS2.10  2385.00 Cycles
TS2.11  2758.00 Cycles
TS2.12  2387.00 Cycles
TS2.13  2166.00 Cycles
TS2.14  2385.00 Cycles
TS2.15  2758.00 Cycles
TS2.16  2380.00 Cycles
TS2.17  2165.00 Cycles
TS2.18  2965.00 Cycles
TS2.19  2167.00 Cycles
TS2.20  2385.00 Cycles
TS2.21  2758.00 Cycles
TS2.22  2380.00 Cycles
TS2.23  2165.00 Cycles
```

Description

Vector Description:

```
TS2.1   All Min
TS2.2   All Max
TS2.3   ManufMode_Cnt_enum==>Min
TS2.4   ManufMode_Cnt_enum==>Max
TS2.5   ManufMode_Cnt_enum==>Pos
TS2.6   TurnsCntrValidity_Cnt_enum==>Min
TS2.7   TurnsCntrValidity_Cnt_enum==>Max
TS2.8   TurnsCntrValidity_Cnt_enum==>Pos
TS2.9   AlignedCumMtrPos_HwDeg_M_f32==>Min
TS2.10  AlignedCumMtrPos_HwDeg_M_f32==>Max
TS2.11  AlignedCumMtrPos_HwDeg_M_f32==>Pos
TS2.12  AlignedCumMtrPos_HwDeg_M_f32==>Zero
TS2.13  AlignedCumMtrPos_HwDeg_M_f32==>Neg
TS2.14  k_VehCntrOffValidLimit_HwDeg_f32==>Min
TS2.15  k_VehCntrOffValidLimit_HwDeg_f32==>Max/Default
TS2.16  k_VehCntrOffValidLimit_HwDeg_f32==>Pos
TS2.17  VehCntrOffset_HwDeg_M_f32==>Min
TS2.18  VehCntrOffset_HwDeg_M_f32==>Max
TS2.19  VehCntrOffset_HwDeg_M_f32==>Pos
TS2.20  VehCntrOffset_HwDeg_M_f32==>Zero
TS2.21  VehCntrOffset_HwDeg_M_f32==>Neg
TS2.22  VehCntrValid_Cnt_M_lgc==>Min
TS2.23  VehCntrValid_Cnt_M_lgc==>Max
```

Test Step 2.1 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	0
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	0
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	0

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✓

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔	
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	

Test Step 2.2 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	10125	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos	
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	1600	
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690	
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset	
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	2	
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	255	

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔	
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	

Test Step 2.3 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2783.01367	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1077.47595	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos	
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	987.40387	
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	124	
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset	
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	0	
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100	

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	0	0	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.4 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-1298.70605
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1377.42493
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1209.60217
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	589
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	2
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	55

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.5 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	468.011292
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-820.067871
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1074.49158
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1054
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	1
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	16

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Name	Actual Value	Expected Value	Result
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.6 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	2075.32788	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-64.231987	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos	
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	1386.30811	
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	358	
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset	
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	2	
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	0	
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.7 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2223.71802	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1012.77295	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos	
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	1031.59229	
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	673	
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset	
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	0	
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	255	
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.8 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2778.2627
AbsHwPos_VehCntrOffset_HwDeg_M_f32	876.887268
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1053.97559
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	988
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	0
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	0	0	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1324.01794
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	409.805206
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1303
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	1
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	123

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.10 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	10125
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-524.091675
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	771.315552
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1618
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	2
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	255

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.11 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	468.011292
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-820.067871
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1074.49158
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1933
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	1
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	0	0	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	468.011292	468.011292 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	468.011292	468.011292 ± 0.0009	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690	43690	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.12 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	0
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1140.87488
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	988.865723
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2248
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	2
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	64

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.13 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-619.01001
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-452.819061
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	205.275681
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2563
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	1
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	33

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.14 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	166.198761		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	404.824768		
AbsHwPos_VehCntrValid_Cnt_M_lgc	0		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data		
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data		
k_UseTurnsCntr_Cnt_lgc	1		
k_VehCntrOffValidLimit_HwDeg_f32	0		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2878		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	0		
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	185		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.15 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-612.046448		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	870.147095		
AbsHwPos_VehCntrValid_Cnt_M_lgc	1		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data		
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data		
k_UseTurnsCntr_Cnt_lgc	0		
k_VehCntrOffValidLimit_HwDeg_f32	1600		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3193		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	1		
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_SCom_CustSetTrim()	0	0	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-612.046448	-612.046448 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-612.046448	-612.046448 ± 0.0009	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690	43690	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.16 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	468.011292
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-820.067871
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1074.49158
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3508
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	1
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	78

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.17 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	907.880615
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	575.52533
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3823
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	0
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	50

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.18 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-1563.76599
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	178.001389
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	4138
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	1
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	0	0	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.19 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	2688.78174
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1172.12
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1164.8783
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	4453
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	2
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	0

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✓
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓

Test Step 2.20 (Repeat Count = 1)

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-941.775391
AbsHwPos_VehCntrOffset_HwDeg_M_f32	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1122.76965
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	4768
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	2
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	255

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✓
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.21 (Repeat Count = 1)

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	933.228271
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-578.130005
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1599.21655
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	5083
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	0
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	0	0	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	933.228271	933.228271 ± 0.0009	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	933.228271	933.228271 ± 0.0009	✓
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690	43690	✓

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.22 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	468.011292
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-820.067871
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1074.49158
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	5398
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	1
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	14

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.23 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	804.195251
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1562.1189
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	904.213257
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	5713
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	1
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	225

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	34	34	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✓
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓

Test Case 3: Path Test ✓

Specification

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

CPU Cycles:

TS3.1 2163.00 Cycles
TS3.2 2974.00 Cycles
TS3.3 2973.00 Cycles
TS3.4 2980.00 Cycles

Description   Vector Description:

TS3.1   if (TurnsCntrValidity_Cnt_T_u08 == D_TCVVALID_CNT_U08)=>False
TS3.2   "if (TurnsCntrValidity_Cnt_T_u08 == D_TCVVALID_CNT_U08)=>True
if (Abs_f32_m(AbsHwPos_AlignedCumMtrPos_HwDeg_M_f32) <= k_VehCntrOffValidLimit_HwDeg_f32)=>False
if (AbsHwPos_VehCntrValid_Cnt_M_lgc == FALSE)=>True"
TS3.3   "if (Abs_f32_m(AbsHwPos_AlignedCumMtrPos_HwDeg_M_f32) <= k_VehCntrOffValidLimit_HwDeg_f32)=>True
if (AbsHwPos_VehCntrValid_Cnt_M_lgc == FALSE)=>False"
TS3.4   "((ManufMode_Cnt_T_enum != ManufacturingMode) =True&&
(Rte_Pim_EOLVehCntrOffset()->EOLHwPosTrimPerformed_Cnt_u16 != D_TRIMPERFORMED_CNT_U16))=False"

Test Step 3.1 (Repeat Count = 1) ✓

Name	Input Value		
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600		
AbsHwPos_VehCntrValid_Cnt_M_lgc	0		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data		
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data		
k_UseTurnsCntr_Cnt_lgc	0		
k_VehCntrOffValidLimit_HwDeg_f32	0		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	0		
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	0		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_SCom_CustSetTrim()	34	34	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✓
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✓
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓

Test Step 3.2 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2783.01367
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1077.47595
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	987.40387

Name	Input Value		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	124		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	0		
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100		

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	0	0	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0	0	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔	
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	

Test Step 3.3 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	468.011292		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-820.067871		
AbsHwPos_VehCntrValid_Cnt_M_lgc	0		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data		
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data		
k_UseTurnsCntr_Cnt_lgc	1		
k_VehCntrOffValidLimit_HwDeg_f32	1074.49158		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1933		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	1		
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100		

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	0	0	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	468.011292	468.011292 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	468.011292	468.011292 ± 0.0009	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690	43690	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔	
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	

Test Step 3.4 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	153.139999		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1077.47595		
AbsHwPos_VehCntrValid_Cnt_M_lgc	1		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum(data)	tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data		
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08(data)	tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data		
k_UseTurnsCntr_Cnt_lgc	1		
k_VehCntrOffValidLimit_HwDeg_f32	425.119995		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Input Value			
tgt_Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum_data	0			
tgt_Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08_data	100			

Name	Actual Value	Expected Value	Result
AbsHwPos_SCom_CustSetTrim()	0	0	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	153.139999	153.139999 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	153.139999	153.139999 ± 0.0009	✔
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690	43690	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	Rte_Read_Ap_AbsHwPos_ManufMode_Cnt_enum	1	✔
Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	Rte_Read_Ap_AbsHwPos_TurnsCntrValidity_Cnt_u08	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Project	AbsHwPos
Module	AbsHwPos_Tcl2lVd
Test Object	AbsHwPos_Per4

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\AbsHwPos_Tcl2cVd_FDD05G
Configuration File	D:\Synergy_Work_Area\AbsHwPos_Tcl2cVd_FDD05G\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	$(SOURCEROOT)\Ap_AbsHwPos.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract\Ap_AbsHwPos -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'AbsHwPos_Tcl2lVd'	***Unit Test Description*** Name of Tester: Medha Sabale Code File(s) Under Test:Ap_AbsHwPos.c Code File(s) Version: 10 Module Design Document:Absolute_Handwheel_Position_Tcl2cVd_MDD.doc Module Design Document Version:11 Data Dictionary Version: 10 Unit Test Plan Version:3 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):3004 Total RAM Used (Bytes):64 Total CALS Used (Bytes):56 Special Test Requirements:NA Test Date:2/6/2017 Comments: NOTE 1:Inline functions defined in "Globalmacro.h" are not unit tested. NOTE 2: "CBD_Sandbox_dbg.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\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
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\AbsHwPos_TcI2cVd_FDD05G\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test ✔

Specification	"Performance Metrics (With "None" Instrumentation and WithPS Environment" CPU Cycles: TS1.1 1354.00 Cycles TS1.2 1339.00 Cycles

Description	Vector Description:
	
	TS1.1 Shortest Execution Path:
	
	If (Abs_m(AbsHwPos_AlignedHwPos_HwDeg_M_f32) > k_KinmIntDiagMaxRackLimit_HwDeg_f32)=>True"
	
	TS1.2 Longest Execution Path:
	
	If (Abs_m(AbsHwPos_AlignedHwPos_HwDeg_M_f32) > k_KinmIntDiagMaxRackLimit_HwDeg_f32)=>False"

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-10125		
k_KinmIntDiagMaxRackLimit_HwDeg_f32	0		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	144	144	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_AlignedHwPos_HwDeg_M_f32	0		
k_KinmIntDiagMaxRackLimit_HwDeg_f32	647		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	144	144	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	✔

Test Case 2: Range Test ✔

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

CPU Cycles:

TS2.1  1354.00 Cycles
TS2.2  1346.00 Cycles
TS2.3  1344.00 Cycles
TS2.4  1344.00 Cycles
TS2.5  1339.00 Cycles
TS2.6  1344.00 Cycles
TS2.7  1338.00 Cycles
TS2.8  1344.00 Cycles
TS2.9  1344.00 Cycles
TS2.10  1336.00 Cycles
```

Description   Vector Description:

TS 2.1All Min
TS 2.2All Max
TS 2.3AbsHwPos_AlignedHwPos_HwDeg_M_f32=>Min
TS 2.4AbsHwPos_AlignedHwPos_HwDeg_M_f32=>Max
TS 2.5AbsHwPos_AlignedHwPos_HwDeg_M_f32=>Mid
TS 2.6AbsHwPos_AlignedHwPos_HwDeg_M_f32=>Pos
TS 2.7AbsHwPos_AlignedHwPos_HwDeg_M_f32=>Neg
TS 2.8k_KinmIntDiagMaxRackLimit_HwDeg_f32=>Min
TS 2.9k_KinmIntDiagMaxRackLimit_HwDeg_f32=>Max
TS 2.10k_KinmIntDiagMaxRackLimit_HwDeg_f32=>Pos/Default

Test Step 2.1 (Repeat Count = 1) ✔

Name	Input Value			
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-10125			
k_KinmIntDiagMaxRackLimit_HwDeg_f32	0			

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	144	144	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	✔

Test Step 2.2 (Repeat Count = 1) ✔

Name	Input Value			
AbsHwPos_AlignedHwPos_HwDeg_M_f32	10125			
k_KinmIntDiagMaxRackLimit_HwDeg_f32	5000			

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	144	144	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	✔

Test Step 2.3 (Repeat Count = 1) ✔

Name	Input Value			
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-10125			
k_KinmIntDiagMaxRackLimit_HwDeg_f32	1478			

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	144	144	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	✔

Test Step 2.4 (Repeat Count = 1)			✔
Name	**Input Value**		
AbsHwPos_AlignedHwPos_HwDeg_M_f32	10125		
k_KinmIntDiagMaxRackLimit_HwDeg_f32	99.0100021		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	144	144	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	✔

Test Step 2.5 (Repeat Count = 1)			✔
Name	**Input Value**		
AbsHwPos_AlignedHwPos_HwDeg_M_f32	0		
k_KinmIntDiagMaxRackLimit_HwDeg_f32	647		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	144	144	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	✔

Test Step 2.6 (Repeat Count = 1)			✔
Name	**Input Value**		
AbsHwPos_AlignedHwPos_HwDeg_M_f32	365.02		
k_KinmIntDiagMaxRackLimit_HwDeg_f32	358.01001		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	144	144	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	✔

Test Step 2.7 (Repeat Count = 1)			✔
Name	**Input Value**		
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-254.12		
k_KinmIntDiagMaxRackLimit_HwDeg_f32	2769		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	144	144	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	✔

Test Step 2.8 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_AlignedHwPos_HwDeg_M_f32	6585		
k_KinmIntDiagMaxRackLimit_HwDeg_f32	0		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	144	144	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-7895.00977		
k_KinmIntDiagMaxRackLimit_HwDeg_f32	5000		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	144	144	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	✔

Test Step 2.10 (Repeat Count = 1) ✔

Name	Input Value		
AbsHwPos_AlignedHwPos_HwDeg_M_f32	100		
k_KinmIntDiagMaxRackLimit_HwDeg_f32	2100		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	144	144	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	✔

Test Case 3: Path Test

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

CPU Cycles:

TS3.1  1354.00 Cycles
TS3.2  1341.00 Cycles
```

Description   Vector Description:

TS3.1   If (Abs_m(AbsHwPos_AlignedHwPos_HwDeg_M_f32) > k_KinmIntDiagMaxRackLimit_HwDeg_f32)=>True
TS3.2   If (Abs_m(AbsHwPos_AlignedHwPos_HwDeg_M_f32) > k_KinmIntDiagMaxRackLimit_HwDeg_f32)=>False

Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-10125		
k_KinmIntDiagMaxRackLimit_HwDeg_f32	0		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	144	144	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	✔

Test Step 3.2 (Repeat Count = 1)

Name	Input Value		
AbsHwPos_AlignedHwPos_HwDeg_M_f32	0		
k_KinmIntDiagMaxRackLimit_HwDeg_f32	647		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	144	144	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per4_CP1_CheckpointReached	1	✔

Project	AbsHwPos
Module	AbsHwPos_Tcl2lVd
Test Object	AbsHwPos_Per2

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\AbsHwPos_Tcl2cVd_FDD05G
Configuration File	D:\Synergy_Work_Area\AbsHwPos_Tcl2cVd_FDD05G\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	$(SOURCEROOT)\Ap_AbsHwPos.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract\Ap_AbsHwPos -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'AbsHwPos_Tcl2lVd'	***Unit Test Description*** Name of Tester: Medha Sabale Code File(s) Under Test:Ap_AbsHwPos.c Code File(s) Version: 10 Module Design Document:Absolute_Handwheel_Position_Tcl2cVd_MDD.doc Module Design Document Version:11 Data Dictionary Version: 10 Unit Test Plan Version:3 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):3004 Total RAM Used (Bytes):64 Total CALS Used (Bytes):56 Special Test Requirements:NA Test Date:2/6/2017 Comments: NOTE 1:Inline functions defined in "Globalmacro.h" are not unit tested. NOTE 2: "CBD_Sandbox_dbg.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\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
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\AbsHwPos_TcI2cVd_FDD05G\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test ✔

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

CPU Cycles:

TS1.1 1341.00 Cycles
TS1.2 2917.00 Cycles
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Description
Vector Description:

TS1.1"Shortest Execution Path:
((DiagStatusHwPosReducedPerf_Cnt_T_lgc == TRUE) ||
    (AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_INPUTINVALID))=>True
(DiagStatusHwPosReducedPerf_Cnt_T_lgc == TRUE)=>False
(AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc == TRUE)=>False
(Abs_f32_m(AbsHwPos_TempHwPos_HwDeg_M_f32 - AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32) >=
k_HwPosOutputLPFError_HwDeg_f32)=True"
TS1.2"Longest Execution Path:
((DiagStatusHwPosReducedPerf_Cnt_T_lgc == TRUE) ||
    (AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_INPUTINVALID))=False
(AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_INIT)=False
(AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_SENSORVALID)=True
(k_UseTurnsCntr_Cnt_lgc == FALSE)=False
(TurnsCntrValidity_Cnt_T_u08 == D_TCVVALID_CNT_U08)=True
(AbsHwPos_VehCntrValid_Cnt_M_lgc == TRUE)=False
(SnsrlessAuthority_Uls_T_f32 >= k_MinSensorlessAuthority_Uls_f32)=True
(SnsrlessAuthority_Uls_T_f32 >= k_MaxSensorlessAuthority_Uls_f32)=True
(AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc == TRUE)=True
(Abs_f32_m(VehCntrOffset_HwDeg_T_f32) <= k_VehCntrOffValidLimit_HwDeg_f32)=False
((Abs_f32_m(Rte_Pim_EOLVehCntrOffset()->EOLVehCntrOffset_HwDeg_f32 - D_INVALIDOFFSET_HWDEG_F32)) >= FLT_EPSILON)=True
if(NvMStatus_Cnt_T_enum != NVM_REQ_PENDING)=>True
(Abs_f32_m(AbsHwPos_TempHwPos_HwDeg_M_f32 - AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32) >=
k_HwPosOutputLPFError_HwDeg_f32)=False"

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	9556.42969
AbsHwPos_HandwheelAuthority_Uls_M_f32	1
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	204.899994
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.75999999
AbsHwPos_HwPosSource_Cnt_M_u16	1348
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	442.940002
AbsHwPos_RelHwPos_HwDeg_M_f32	442.940002
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26817
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1700.22998
AbsHwPos_TargetHwAuthority_Uls_M_f32	1
AbsHwPos_TempHwPos_HwDeg_M_f32	5054.37012
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8178.93018
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0
k_HwPosOutputLPFError_HwDeg_f32	674.299988
k_I2CHwAuthority_Uls_f32	0.75
k_MaxSensorlessAuthority_Uls_f32	0.839999974
k_MaxVehCntrOffDiff_HwDeg_f32	822.799988
k_MinSensorlessAuthority_Uls_f32	0.75
k_TurnsCntrAuthority_Uls_f32	0.75
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	674.299988
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-291.100006
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.839999974
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1587.5
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	128
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2325.1001
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9299
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum

TEST DETAILS REPORT

AbsHwPos_Per2

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Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	442.940002	442.940002 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	1	1 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	3890.49731	3890.49731 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1348	1348	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	3890.49731	3890.49731 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26817	26817	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1700.22998	1700.22998 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	1	1 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	5054.37012	5054.37012 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8178.93018	8178.93018 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1348	1348	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	26817	26817	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2325.1001	2325.1001 ± 0.009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	3787.70996
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.280000001
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1112.18005
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.280000001
AbsHwPos_HwPosSource_Cnt_M_u16	296
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1207.09998
AbsHwPos_RelHwPos_HwDeg_M_f32	1207.09998
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23721
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1232.09998
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.280000001
AbsHwPos_TempHwPos_HwDeg_M_f32	8009.91016
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1132.57996
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.270000011
k_HwPosOutputLPFError_HwDeg_f32	1179.19995
k_I2CHwAuthority_Uls_f32	0.270000011
k_MaxSensorlessAuthority_Uls_f32	0.340000004
k_MaxVehCntrOffDiff_HwDeg_f32	882.200012
k_MinSensorlessAuthority_Uls_f32	0.270000011
k_TurnsCntrAuthority_Uls_f32	0.270000011
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	822.799988
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-271.399994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.360000014
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	622.700012

Name	Input Value
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	875.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3347
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1207.09998	1207.09998 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.360000014	0.360000014 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	622.700012	622.700012 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	622.700012	622.700012 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1232.09998	1232.09998 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.360000014	0.360000014 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	622.700012	622.700012 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1132.57996	-1132.57996 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.360000014	0.360000014 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	622.700012	622.700012 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1232.09998	1232.09998 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Case 2: Range Test ✔

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

CPU Cycles:

TS2.1 1467.00 Cycles
TS2.2 2917.00 Cycles
TS2.3 1877.00 Cycles
TS2.4 1933.00 Cycles
TS2.5 1838.00 Cycles
TS2.6 1921.00 Cycles
TS2.7 1341.00 Cycles
TS2.8 1885.00 Cycles
TS2.9 1360.00 Cycles
TS2.10 1862.00 Cycles
TS2.11 1360.00 Cycles
TS2.12 1417.00 Cycles
TS2.13 1352.00 Cycles
TS2.14 1868.00 Cycles
TS2.15 1347.00 Cycles
TS2.16 1895.00 Cycles
TS2.17 1347.00 Cycles
TS2.18 1902.00 Cycles
TS2.19 1450.00 Cycles
TS2.20 1904.00 Cycles
TS2.21 1388.00 Cycles
TS2.22 1428.00 Cycles
TS2.23 1362.00 Cycles
TS2.24 1428.00 Cycles
TS2.25 1341.00 Cycles
TS2.26 1428.00 Cycles
TS2.27 1908.00 Cycles
TS2.28 1889.00 Cycles
TS2.29 1844.00 Cycles
TS2.30 1889.00 Cycles
TS2.31 1361.00 Cycles
TS2.32 1902.00 Cycles
TS2.33 1373.00 Cycles
TS2.34 1902.00 Cycles
TS2.35 1428.00 Cycles
TS2.36 1861.00 Cycles
TS2.37 1844.00 Cycles
TS2.38 1904.00 Cycles
TS2.39 1824.00 Cycles
TS2.40 1904.00 Cycles
TS2.41 1844.00 Cycles
TS2.42 1861.00 Cycles
TS2.43 2347.00 Cycles
TS2.44 2812.00 Cycles
TS2.45 1373.00 Cycles
TS2.46 2763.00 Cycles
TS2.47 1373.00 Cycles
TS2.48 1907.00 Cycles
TS2.49 1373.00 Cycles
TS2.50 1907.00 Cycles
TS2.51 1352.00 Cycles
TS2.52 1417.00 Cycles
TS2.53 1352.00 Cycles
TS2.54 1868.00 Cycles
TS2.55 1815.00 Cycles
TS2.56 1840.00 Cycles
TS2.57 1352.00 Cycles
TS2.58 1840.00 Cycles
TS2.59 1352.00 Cycles
TS2.60 1840.00 Cycles
TS2.61 1426.00 Cycles
TS2.62 2799.00 Cycles
TS2.63 2358.00 Cycles
TS2.64 1922.00 Cycles
TS2.65 1943.00 Cycles
TS2.66 1384.00 Cycles
TS2.67 1897.00 Cycles
TS2.68 1361.00 Cycles
TS2.69 1904.00 Cycles
TS2.70 1373.00 Cycles
TS2.71 1904.00 Cycles
TS2.72 1361.00 Cycles
TS2.73 1904.00 Cycles
TS2.74 1904.00 Cycles
TS2.75 1373.00 Cycles
TS2.76 1904.00 Cycles
TS2.77 1361.00 Cycles
TS2.78 1889.00 Cycles
TS2.79 1361.00 Cycles
TS2.80 1904.00 Cycles
TS2.81 1361.00 Cycles
TS2.82 1889.00 Cycles
TS2.83 1361.00 Cycles
TS2.84 1904.00 Cycles
TS2.85 1373.00 Cycles
TS2.86 1904.00 Cycles
TS2.87 1361.00 Cycles
TS2.88 1904.00 Cycles
TS2.89 1373.00 Cycles
TS2.90 1904.00 Cycles
TS2.91 1368.00 Cycles
TS2.92 1889.00 Cycles
TS2.93 1338.00 Cycles
TS2.94 1889.00 Cycles
TS2.95 1303.00 Cycles
TS2.96 1840.00 Cycles
TS2.97 1359.00 Cycles
TS2.98 1885.00 Cycles
TS2.99 1352.00 Cycles
TS2.100 1840.00 Cycles
TS2.101 2310.00 Cycles
TS2.102 2740.00 Cycles
TS2.103 2287.00 Cycles
TS2.104 2753.00 Cycles
TS2.105 2288.00 Cycles
TS2.106 1838.00 Cycles
TS2.107 1465.00 Cycles
TS2.108 1945.00 Cycles
TS2.109 1815.00 Cycles

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TS2.110 1898.00 Cycles
TS2.111 1386.00 Cycles
TS2.112 1874.00 Cycles
TS2.113 1862.00 Cycles
TS2.114 1926.00 Cycles
TS2.115 1379.00 Cycles
TS2.116 1839.00 Cycles
TS2.117 1451.00 Cycles
TS2.118 2812.00 Cycles
TS2.119 2358.00 Cycles
TS2.120 2792.00 Cycles
TS2.121 2306.00 Cycles
TS2.122 2358.00 Cycles
TS2.123 2792.00 Cycles
```

Description

Vector Description:

TS2.1All Min
TS2.2All Max
TS2.3TurnsCntrValidity_Cnt_u08=>Min
TS2.4TurnsCntrValidity_Cnt_u08=>Max
TS2.5TurnsCntrValidity_Cnt_u08=>Pos
TS2.6ManufMode_Cnt_enum=>Min
TS2.7ManufMode_Cnt_enum=>Max
TS2.8ManufMode_Cnt_enum=>Pos
TS2.9DiagStatusHwPosReducedPerf_Cnt_lgc=>Min
TS2.10DiagStatusHwPosReducedPerf_Cnt_lgc=>Max
TS2.11I2CHwAbsPosValid_Cnt_lgc=>Min
TS2.12I2CHwAbsPosValid_Cnt_lgc=>Max
TS2.13SensorlessAuthority_Uls_f32=>Min
TS2.14SensorlessAuthority_Uls_f32=>Max
TS2.15SensorlessAuthority_Uls_f32=>Pos
TS2.16SensorlessHwPos_HwDeg_f32=>Min
TS2.17SensorlessHwPos_HwDeg_f32=>Max
TS2.18SensorlessHwPos_HwDeg_f32=>Zero
TS2.19SensorlessHwPos_HwDeg_f32=>Pos
TS2.20SensorlessHwPos_HwDeg_f32=>Neg
TS2.21I2CHwAbsPos_HwDeg_f32=>Min
TS2.22I2CHwAbsPos_HwDeg_f32=>Max
TS2.23I2CHwAbsPos_HwDeg_f32=>Zero
TS2.24I2CHwAbsPos_HwDeg_f32=>Pos
TS2.25I2CHwAbsPos_HwDeg_f32=>Neg
TS2.26k_UseTurnsCntr_Cnt_lgc=>Min
TS2.27k_UseTurnsCntr_Cnt_lgc=>Max
TS2.28k_MinSensorlessAuthority_Uls_f32=>Min
TS2.29k_MinSensorlessAuthority_Uls_f32=>Max/Default
TS2.30k_MinSensorlessAuthority_Uls_f32=>Pos
TS2.31k_MaxSensorlessAuthority_Uls_f32=>Min
TS2.32k_MaxSensorlessAuthority_Uls_f32=>Max/Default
TS2.33k_MaxSensorlessAuthority_Uls_f32=>Pos
TS2.34k_VehCntrOffValidLimit_HwDeg_f32=>Min
TS2.35k_VehCntrOffValidLimit_HwDeg_f32=>Max/Default
TS2.36k_VehCntrOffValidLimit_HwDeg_f32=>Pos
TS2.37Rte_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32=>Min
TS2.38Rte_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32=>Max
TS2.39Rte_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32=>Zero
TS2.40Rte_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32=>Pos
TS2.41Rte_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32=>Neg
TS2.42k_MaxVehCntrOffDiff_HwDeg_f32=>Min
TS2.43k_MaxVehCntrOffDiff_HwDeg_f32=>Max
TS2.44k_MaxVehCntrOffDiff_HwDeg_f32=>Pos/Default
TS2.45k_HwPosOutputLPFError_HwDeg_f32=>Min
TS2.46k_HwPosOutputLPFError_HwDeg_f32=>Max
TS2.47k_HwPosOutputLPFError_HwDeg_f32=>Pos/Default
TS2.48k_HwPosAuthorityStep_Uls_f32=>Min
TS2.49k_HwPosAuthorityStep_Uls_f32=>Max
TS2.50k_HwPosAuthorityStep_Uls_f32=>Pos/Default
TS2.51k_I2CHwAuthority_Uls_f32=>Min
TS2.52k_I2CHwAuthority_Uls_f32=>Max/Default
TS2.53k_I2CHwAuthority_Uls_f32=>Pos
TS2.54k_TurnsCntrAuthority_Uls_f32=>Min
TS2.55k_TurnsCntrAuthority_Uls_f32=>Max/Default
TS2.56k_TurnsCntrAuthority_Uls_f32=>Pos
TS2.57Rte_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16=>Min
TS2.58Rte_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16=>Max
TS2.59Rte_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16=>Pos
TS2.60AbsHwPos_AlignedCumMtrPos_HwDeg_M_f32=>Min
TS2.61AbsHwPos_AlignedCumMtrPos_HwDeg_M_f32=>Max
TS2.62AbsHwPos_AlignedCumMtrPos_HwDeg_M_f32=>Zero
TS2.63AbsHwPos_AlignedCumMtrPos_HwDeg_M_f32=>Pos
TS2.64AbsHwPos_AlignedCumMtrPos_HwDeg_M_f32=>Neg
TS2.65AbsHwPos_HandwheelAuthority_Uls_M_f32=>Min
TS2.66AbsHwPos_HandwheelAuthority_Uls_M_f32=>Max
TS2.67AbsHwPos_HandwheelAuthority_Uls_M_f32=>Pos
TS2.68AbsHwPos_HwPosSource_Cnt_M_u16=>Min
TS2.69AbsHwPos_HwPosSource_Cnt_M_u16=>Max
TS2.70AbsHwPos_HwPosSource_Cnt_M_u16=>Pos
TS2.71AbsHwPos_HwPosState_Cnt_M_enum=>HWPOS_STATE_SENSORVALID
TS2.72AbsHwPos_HwPosState_Cnt_M_enum=>HWPOS_STATE_INPUTINVALID
TS2.73AbsHwPos_HwPosState_Cnt_M_enum=>HWPOS_STATE_INIT
TS2.74AbsHwPos_HwPosState_Cnt_M_enum=>HWPOS_STATE_SENSORINVALID
TS2.75AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32=>Min
TS2.76AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32=>Max
TS2.77AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32=>Zero
TS2.78AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32=>Pos
TS2.79AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32=>Neg
TS2.80AbsHwPos_RelHwPos_HwDeg_M_f32=>Min
TS2.81AbsHwPos_RelHwPos_HwDeg_M_f32=>Max
TS2.82AbsHwPos_RelHwPos_HwDeg_M_f32=>Zero
TS2.83AbsHwPos_RelHwPos_HwDeg_M_f32=>Pos
TS2.84AbsHwPos_RelHwPos_HwDeg_M_f32=>Neg
TS2.85AbsHwPos_SrlComHwPos_HwDeg_M_f32=>Min
TS2.86AbsHwPos_SrlComHwPos_HwDeg_M_f32=>Max
TS2.87AbsHwPos_SrlComHwPos_HwDeg_M_f32=>Zero
TS2.88AbsHwPos_SrlComHwPos_HwDeg_M_f32=>Pos
TS2.89AbsHwPos_SrlComHwPos_HwDeg_M_f32=>Neg
TS2.90AbsHwPos_SrlComHwPosStatus_Cnt_M_u16=>Min
TS2.91AbsHwPos_SrlComHwPosStatus_Cnt_M_u16=>Max
TS2.92AbsHwPos_SrlComHwPosStatus_Cnt_M_u16=>Pos
TS2.93AbsHwPos_TargetHwAuthority_Uls_M_f32=>Min
TS2.94AbsHwPos_TargetHwAuthority_Uls_M_f32=>Max

TS2.95AbsHwPos_TargetHwAuthority_Uls_M_f32=>Pos
TS2.96AbsHwPos_TempHwPos_HwDeg_M_f32=>Min
TS2.97AbsHwPos_TempHwPos_HwDeg_M_f32=>Max
TS2.98AbsHwPos_TempHwPos_HwDeg_M_f32=>Zero
TS2.99AbsHwPos_TempHwPos_HwDeg_M_f32=>Pos
TS2.100AbsHwPos_TempHwPos_HwDeg_M_f32=>Neg
TS2.101AbsHwPos_VehCntrOffset_HwDeg_M_f32=>Min
TS2.102AbsHwPos_VehCntrOffset_HwDeg_M_f32=>Max
TS2.103AbsHwPos_VehCntrOffset_HwDeg_M_f32=>Zero
TS2.104AbsHwPos_VehCntrOffset_HwDeg_M_f32=>Pos
TS2.105AbsHwPos_VehCntrOffset_HwDeg_M_f32=>Neg
TS2.106AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc=>Min
TS2.107AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc=>Max
TS2.108AbsHwPos_VehCntrValid_Cnt_M_lgc=>Min
TS2.109AbsHwPos_VehCntrValid_Cnt_M_lgc=>Max
TS2.110AbsHwPos_HandwheelPositionLPF_M_str.SV=>Min
TS2.111AbsHwPos_HandwheelPositionLPF_M_str.SV=>Max
TS2.112AbsHwPos_HandwheelPositionLPF_M_str.SV=>Zero
TS2.113AbsHwPos_HandwheelPositionLPF_M_str.SV=>Pos
TS2.114AbsHwPos_HandwheelPositionLPF_M_str.SV=>Neg
TS2.115AbsHwPos_HandwheelPositionLPF_M_str.K=>Min
TS2.116AbsHwPos_HandwheelPositionLPF_M_str.K=>Max
TS2.117AbsHwPos_HandwheelPositionLPF_M_str.K=>Pos
TS2.118Rte_Call_EOLVehCntrOffset_GetErrorStatus=>NVM_REQ_OK
TS2.119Rte_Call_EOLVehCntrOffset_GetErrorStatus=>NVM_REQ_NOT_OK
TS2.120Rte_Call_EOLVehCntrOffset_GetErrorStatus=>NVM_REQ_PENDING
TS2.121Rte_Call_EOLVehCntrOffset_GetErrorStatus=>NVM_REQ_INTEGRITY_FAILED
TS2.122Rte_Call_EOLVehCntrOffset_GetErrorStatus=>NVM_REQ_BLOCK_SKIPPED
TS2.123Rte_Call_EOLVehCntrOffset_GetErrorStatus=>NVM_REQ_NV_INVALIDATED

Test Step 2.1 (Repeat Count = 1)   ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125
AbsHwPos_HandwheelAuthority_Uls_M_f32	0
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-11725
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0
AbsHwPos_HwPosSource_Cnt_M_u16	1
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-11725
AbsHwPos_RelHwPos_HwDeg_M_f32	-10125
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-11725
AbsHwPos_TargetHwAuthority_Uls_M_f32	0
AbsHwPos_TempHwPos_HwDeg_M_f32	-11725
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0
k_HwPosOutputLPFError_HwDeg_f32	0
k_I2CHwAuthority_Uls_f32	0
k_MaxSensorlessAuthority_Uls_f32	0
k_MaxVehCntrOffDiff_HwDeg_f32	0
k_MinSensorlessAuthority_Uls_f32	0
k_TurnsCntrAuthority_Uls_f32	0
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	0
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-900
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-1600
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	0
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08

Name	Input Value		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-10125	-10125 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-11725	-11725 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	1	1	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-11725	-11725 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-11725	-11725 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-11725	-11725 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600	-1600 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	0	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1	1	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600	-1600 ± 0.009	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.2 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	10125	
AbsHwPos_HandwheelAuthority_Uls_M_f32	1	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	11725	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	1	
AbsHwPos_HwPosSource_Cnt_M_u16	65534	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	11725	
AbsHwPos_RelHwPos_HwDeg_M_f32	10125	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	11725	
AbsHwPos_TargetHwAuthority_Uls_M_f32	1	
AbsHwPos_TempHwPos_HwDeg_M_f32	11725	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	1	
k_HwPosOutputLPFError_HwDeg_f32	1620	
k_I2CHwAuthority_Uls_f32	1	
k_MaxSensorlessAuthority_Uls_f32	1	
k_MaxVehCntrOffDiff_HwDeg_f32	1600	
k_MinSensorlessAuthority_Uls_f32	1	
k_TurnsCntrAuthority_Uls_f32	1	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	1600	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	900	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	1	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1600	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	255	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	10125	10125 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	11725	11725 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	11725	11725 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	11725	11725 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.3 (Repeat Count = 1)	✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	128.470001
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.100000001
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	584.900024
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.100000001
AbsHwPos_HwPosSource_Cnt_M_u16	88
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1487
AbsHwPos_RelHwPos_HwDeg_M_f32	1487
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21849
AbsHwPos_SrlComHwPos_HwDeg_M_f32	9026.62012
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.100000001
AbsHwPos_TempHwPos_HwDeg_M_f32	2802.53003
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1328.5
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.100000001
k_HwPosOutputLPFError_HwDeg_f32	407
k_I2CHwAuthority_Uls_f32	0.100000001
k_MaxSensorlessAuthority_Uls_f32	0.100000001
k_MaxVehCntrOffDiff_HwDeg_f32	110
k_MinSensorlessAuthority_Uls_f32	0.100000001
k_TurnsCntrAuthority_Uls_f32	0.100000001
k_UseTurnsCntr_Cnt_lgc	1

Name	Input Value
k_VehCntrOffValidLimit_HwDeg_f32	50.5999985
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	100.099998
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.100000001
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	100.099998
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	0
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	90.3000031
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	123
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1487	1487 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	806.663025	806.663025 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	806.663025	806.663025 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	9026.62012	9026.62012 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	2802.53003	2802.53003 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1328.5	1328.5 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	806.663025	806.663025 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	90.3000031	90.3000031 ± 0.00009	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.4 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	269.209991
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.200000003
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	605.179993
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.200000003
AbsHwPos_HwPosSource_Cnt_M_u16	96
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1507.09998
AbsHwPos_RelHwPos_HwDeg_M_f32	1507.09998
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21921
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8920.66016
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.200000003
AbsHwPos_TempHwPos_HwDeg_M_f32	202.529999
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1358.69995

Name	Input Value
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.200000003
k_HwPosOutputLPFError_HwDeg_f32	436.700012
k_I2CHwAuthority_Uls_f32	0.200000003
k_MaxSensorlessAuthority_Uls_f32	0.109999999
k_MaxVehCntrOffDiff_HwDeg_f32	139.699997
k_MinSensorlessAuthority_Uls_f32	0.200000003
k_TurnsCntrAuthority_Uls_f32	0.200000003
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	80.3000031
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	120.199997
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.109999999
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	120.199997
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	255
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	120.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	247
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1507.09998	1507.09998 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	524.650024	524.650024 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	524.650024	524.650024 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8920.66016	8920.66016 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	202.529999	202.529999 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1358.69995	1358.69995 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	524.650024	524.650024 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	120.5	120.5 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.5 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-409.950012
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.300000012
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	625.460022
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.300000012
AbsHwPos_HwPosSource_Cnt_M_u16	104
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1527.19995
AbsHwPos_RelHwPos_HwDeg_M_f32	1527.19995
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21993
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8814.7002
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.300000012
AbsHwPos_TempHwPos_HwDeg_M_f32	9802.53027
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1388.90002
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.300000012
k_HwPosOutputLPFError_HwDeg_f32	466.399994
k_I2CHwAuthority_Uls_f32	0.300000012
k_MaxSensorlessAuthority_Uls_f32	0.119999997
k_MaxVehCntrOffDiff_HwDeg_f32	169.399994
k_MinSensorlessAuthority_Uls_f32	0.300000012
k_TurnsCntrAuthority_Uls_f32	0.300000012
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	110
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	140.300003
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.119999997
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	140.300003
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	150.699997
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	371
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1527.19995	1527.19995 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	3378.58105	3378.58105 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	3378.58105	3378.58105 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8814.7002	8814.7002 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	9802.53027	9802.53027 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1388.90002	1388.90002 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔

Name	Actual Value	Expected Value	Result
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	150.699997	150.699997 ± 0.0009	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.6 (Repeat Count = 1)		✓
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	550.690002
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.400000006
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	645.73999
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.400000006
AbsHwPos_HwPosSource_Cnt_M_u16	112
AbsHwPos_HwPosState_Cnt_M_enum	5
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	157.300003
AbsHwPos_RelHwPos_HwDeg_M_f32	157.300003
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22065
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-8708.74023
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.400000006
AbsHwPos_TempHwPos_HwDeg_M_f32	3224.75
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1419.09998
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.400000006
k_HwPosOutputLPFError_HwDeg_f32	496.100006
k_I2CHwAuthority_Uls_f32	0.400000006
k_MaxSensorlessAuthority_Uls_f32	0.129999995
k_MaxVehCntrOffDiff_HwDeg_f32	199.100006
k_MinSensorlessAuthority_Uls_f32	0.400000006
k_TurnsCntrAuthority_Uls_f32	0.400000006
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	139.699997
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	160.399994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.129999995
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	160.399994
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	10
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	180.899994
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	495
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	157.300003	157.300003 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1677.34399	1677.34399 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1677.34399	1677.34399 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓

Name	Actual Value	Expected Value	Result
AbsHwPos_TempHwPos_HwDeg_M_f32	3224.75	3224.75 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1419.09998	1419.09998 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓	

Test Step 2.7 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	691.429993	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.5	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-666.02002	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.5	
AbsHwPos_HwPosSource_Cnt_M_u16	120	
AbsHwPos_HwPosState_Cnt_M_enum	6	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	567.400024	
AbsHwPos_RelHwPos_HwDeg_M_f32	567.400024	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22137	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8602.78027	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.5	
AbsHwPos_TempHwPos_HwDeg_M_f32	120.199997	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-980.599976	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.5	
k_HwPosOutputLPFError_HwDeg_f32	525.799988	
k_I2CHwAuthority_Uls_f32	0.5	
k_MaxSensorlessAuthority_Uls_f32	0.140000001	
k_MaxVehCntrOffDiff_HwDeg_f32	228.800003	
k_MinSensorlessAuthority_Uls_f32	0.5	
k_TurnsCntrAuthority_Uls_f32	0.5	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	169.399994	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	180.5	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.140000001	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	180.5	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	14	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	211.100006	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	619	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	567.400024	567.400024 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.5	0.5 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	120.199997	120.199997 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	120	120	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	120.199997	120.199997 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22137	22137	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8602.78027	8602.78027 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.5	0.5 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	120.199997	120.199997 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-980.599976	-980.599976 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.5	0.5 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	120.199997	120.199997 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	120	120	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	22137	22137	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	211.100006	211.100006 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.8 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-832.169983
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.600000024
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	686.299988
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.600000024
AbsHwPos_HwPosSource_Cnt_M_u16	128
AbsHwPos_HwPosState_Cnt_M_enum	7
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1587.5
AbsHwPos_RelHwPos_HwDeg_M_f32	1587.5
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22209
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8496.82031
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.600000024
AbsHwPos_TempHwPos_HwDeg_M_f32	140.300003
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-960.900024
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.600000024
k_HwPosOutputLPFError_HwDeg_f32	555.5
k_I2CHwAuthority_Uls_f32	0.600000024
k_MaxSensorlessAuthority_Uls_f32	0.150000006
k_MaxVehCntrOffDiff_HwDeg_f32	258.5
k_MinSensorlessAuthority_Uls_f32	0.600000024
k_TurnsCntrAuthority_Uls_f32	0.600000024
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	199.100006
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	200.600006
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.150000006
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	200.600006
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	20
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	241.300003

Name	Input Value
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	743
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1587.5	1587.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	358.699982	358.700012 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	358.699982	358.700012 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	140.300003	140.300003 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-960.900024	-960.900024 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	358.699982	358.700012 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.9 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	972.909973	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.699999988	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	706.580017	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.699999988	
AbsHwPos_HwPosSource_Cnt_M_u16	136	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1000.29999	
AbsHwPos_RelHwPos_HwDeg_M_f32	-1000.29999	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22281	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-8390.86035	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.699999988	
AbsHwPos_TempHwPos_HwDeg_M_f32	160.399994	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-941.200012	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.699999988	
k_HwPosOutputLPFError_HwDeg_f32	585.200012	
k_I2CHwAuthority_Uls_f32	0.699999988	

Name	Input Value
k_MaxSensorlessAuthority_Uls_f32	0.159999996
k_MaxVehCntrOffDiff_HwDeg_f32	288.200012
k_MinSensorlessAuthority_Uls_f32	0.699999988
k_TurnsCntrAuthority_Uls_f32	0.699999988
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	228.800003
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	220.699997
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.159999996
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	220.699997
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	26
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	271.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	867
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-1000.29999	-1000.29999 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	324.253998	324.253998 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	324.253998	324.253998 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-8390.86035	-8390.86035 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	160.399994	160.399994 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-941.200012	-941.200012 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	324.253998	324.253998 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	271.5	271.5 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.10 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1113.65002
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.800000012
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-726.859985
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.800000012
AbsHwPos_HwPosSource_Cnt_M_u16	144
AbsHwPos_HwPosState_Cnt_M_enum	9
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-980.599976
AbsHwPos_RelHwPos_HwDeg_M_f32	-980.599976
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22353

Name	Input Value
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8284.88965
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.800000012
AbsHwPos_TempHwPos_HwDeg_M_f32	180.5
AbsHwPos_VehCntrOffset_HwDeg_M_f32	603.700012
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.800000012
k_HwPosOutputLPFError_HwDeg_f32	614.900024
k_I2CHwAuthority_Uls_f32	0.800000012
k_MaxSensorlessAuthority_Uls_f32	0.170000002
k_MaxVehCntrOffDiff_HwDeg_f32	317.899994
k_MinSensorlessAuthority_Uls_f32	0.800000012
k_TurnsCntrAuthority_Uls_f32	0.800000012
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	258.5
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	240.800003
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.170000002
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	240.800003
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	32
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	301.700012
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	991
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-980.599976	-980.599976 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-0.971984863	-0.972000003 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-0.971984863	-0.972000003 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	180.5	180.5 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	603.700012	603.700012 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-0.971984863	-0.972000003 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	301.700012	301.700012 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 2.11 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-1254.39001
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.899999976
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	747.140015
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.899999976
AbsHwPos_HwPosSource_Cnt_M_u16	152
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-960.900024
AbsHwPos_RelHwPos_HwDeg_M_f32	-960.900024
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22425
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8178.93018
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.899999976
AbsHwPos_TempHwPos_HwDeg_M_f32	200.600006
AbsHwPos_VehCntrOffset_HwDeg_M_f32	633.900024
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.899999976
k_HwPosOutputLPFError_HwDeg_f32	644.599976
k_I2CHwAuthority_Uls_f32	0.899999976
k_MaxSensorlessAuthority_Uls_f32	0.180000007
k_MaxVehCntrOffDiff_HwDeg_f32	347.600006
k_MinSensorlessAuthority_Uls_f32	0.899999976
k_TurnsCntrAuthority_Uls_f32	0.899999976
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	288.200012
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	260.899994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.180000007
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	260.899994
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	38
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	331.899994
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1115
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-960.900024	-960.900024 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	255.253998	255.253998 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	255.253998	255.253998 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8178.93018	8178.93018 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	200.600006	200.600006 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	633.900024	633.900024 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	255.253998	255.253998 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Name	Actual Value	Expected Value	Result
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	331.899994	331.899994 ± 0.0009	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.12 (Repeat Count = 1)	✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1395.13
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.109999999
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	767.419983
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.109999999
AbsHwPos_HwPosSource_Cnt_M_u16	160
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1547.30005
AbsHwPos_RelHwPos_HwDeg_M_f32	1547.30005
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22497
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-8072.97021
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.109999999
AbsHwPos_TempHwPos_HwDeg_M_f32	220.699997
AbsHwPos_VehCntrOffset_HwDeg_M_f32	664.099976
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.100000001
k_HwPosOutputLPFError_HwDeg_f32	674.299988
k_I2CHwAuthority_Uls_f32	0.100000001
k_MaxSensorlessAuthority_Uls_f32	0.189999998
k_MaxVehCntrOffDiff_HwDeg_f32	377.299988
k_MinSensorlessAuthority_Uls_f32	0.100000001
k_TurnsCntrAuthority_Uls_f32	0.100000001
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	317.899994
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	281
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.189999998
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	281
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	44
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	362.100006
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1239
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_C	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1547.30005	1547.30005 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.100000001	0.100000001 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	713.913757	713.913818 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	2	2	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	713.913757	713.913818 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	281	281 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.100000001	0.100000001 ± 0.004	✓

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AbsHwPos_Per2

Name	Actual Value	Expected Value	Result
AbsHwPos_TempHwPos_HwDeg_M_f32	281	281 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	664.099976	664.099976 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.100000001	0.100000001 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	713.913757	713.913818 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2	2	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	281	281 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.13 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1535.87
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.119999997
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	787.700012
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.119999997
AbsHwPos_HwPosSource_Cnt_M_u16	168
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1567.40002
AbsHwPos_RelHwPos_HwDeg_M_f32	1567.40002
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22569
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7967.00977
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.119999997
AbsHwPos_TempHwPos_HwDeg_M_f32	240.800003
AbsHwPos_VehCntrOffset_HwDeg_M_f32	694.299988
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.109999999
k_HwPosOutputLPFError_HwDeg_f32	704
k_I2CHwAuthority_Uls_f32	0.109999999
k_MaxSensorlessAuthority_Uls_f32	0.200000003
k_MaxVehCntrOffDiff_HwDeg_f32	407
k_MinSensorlessAuthority_Uls_f32	0.109999999
k_TurnsCntrAuthority_Uls_f32	0.109999999
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	347.600006
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	301.100006
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	301.100006
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	50
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	392.299988
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1363
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16

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AbsHwPos_Per2

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1567.40002	1567.40002 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999791	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	722.072021	722.072021 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	168	168	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	722.072021	722.072021 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7967.00977	7967.00977 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	240.800003	240.800003 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	694.299988	694.299988 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999791	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	722.072021	722.072021 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	168	168	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	392.299988	392.299988 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.14 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-1676.60999	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.129999995	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-807.97998	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.129999995	
AbsHwPos_HwPosSource_Cnt_M_u16	176	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-901.799988	
AbsHwPos_RelHwPos_HwDeg_M_f32	-901.799988	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22641	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7861.0498	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.129999995	
AbsHwPos_TempHwPos_HwDeg_M_f32	260.899994	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	724.5	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.119999997	
k_HwPosOutputLPFError_HwDeg_f32	733.700012	
k_I2CHwAuthority_Uls_f32	0.119999997	
k_MaxSensorlessAuthority_Uls_f32	0.209999993	
k_MaxVehCntrOffDiff_HwDeg_f32	436.700012	
k_MinSensorlessAuthority_Uls_f32	0.119999997	
k_TurnsCntrAuthority_Uls_f32	0.119999997	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	377.299988	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	321.200012	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	1	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	321.200012	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	422.5	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1487	

Name	Input Value
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-901.799988	-901.799988 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.119999997	0.119999997 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-1015.08685	-1015.08691 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	1	1	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1015.08685	-1015.08691 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-2401.10986	-2401.11011 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.119999997	0.119999997 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-2401.10986	-2401.11011 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	724.5	724.5 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.119999997	0.119999997 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1015.08685	-1015.08691 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1	1	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.15 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1535.87	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.119999997	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	787.700012	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.119999997	
AbsHwPos_HwPosSource_Cnt_M_u16	168	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1567.40002	
AbsHwPos_RelHwPos_HwDeg_M_f32	1567.40002	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22569	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7967.00977	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.119999997	
AbsHwPos_TempHwPos_HwDeg_M_f32	240.800003	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	694.299988	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.109999999	
k_HwPosOutputLPFError_HwDeg_f32	704	
k_I2CHwAuthority_Uls_f32	0.109999999	
k_MaxSensorlessAuthority_Uls_f32	0.319999993	

Name	Input Value
k_MaxVehCntrOffDiff_HwDeg_f32	407
k_MinSensorlessAuthority_Uls_f32	0.109999999
k_TurnsCntrAuthority_Uls_f32	0.109999999
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	347.600006
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	301.100006
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.200000003
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	301.100006
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	50
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	392.299988
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1363
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1567.40002	1567.40002 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.200000003	0.200000003 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	729.307983	729.307983 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	729.307983	729.307983 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	301.100006	301.100006 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.200000003	0.200000003 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	301.100006	301.100006 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	694.299988	694.299988 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.200000003	0.200000003 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	729.307983	729.307983 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	301.100006	301.100006 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	392.299988	392.299988 ± 0.0009	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.16 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1958.08997	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.150000006	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	848.539917	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.150000006	
AbsHwPos_HwPosSource_Cnt_M_u16	192	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	126.699997	
AbsHwPos_RelHwPos_HwDeg_M_f32	126.699997	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22785	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	269.209991	

Name	Input Value
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.150000006
AbsHwPos_TempHwPos_HwDeg_M_f32	301.100006
AbsHwPos_VehCntrOffset_HwDeg_M_f32	784.900024
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.140000001
k_HwPosOutputLPFError_HwDeg_f32	793.099976
k_I2CHwAuthority_Uls_f32	0.140000001
k_MaxSensorlessAuthority_Uls_f32	0.230000004
k_MaxVehCntrOffDiff_HwDeg_f32	496.100006
k_MinSensorlessAuthority_Uls_f32	0.140000001
k_TurnsCntrAuthority_Uls_f32	0.140000001
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	436.700012
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	461.899994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.230000004
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-1600
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	68
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	482.899994
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1735
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	126.699997	126.699997 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.150000006	0.150000006 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	301.100006	301.100006 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	192	192	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	301.100006	301.100006 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	269.209991	269.209991 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.150000006	0.150000006 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	301.100006	301.100006 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	784.900024	784.900024 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.150000006	0.150000006 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	301.100006	301.100006 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	192	192	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	269.209991	269.209991 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	482.899994	482.899994 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.17 (Repeat Count = 1)

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	2098.83008
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.159999996
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-868.820007
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.159999996
AbsHwPos_HwPosSource_Cnt_M_u16	5200
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	139.100006
AbsHwPos_RelHwPos_HwDeg_M_f32	139.100006
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22857
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-409.950012
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.159999996
AbsHwPos_TempHwPos_HwDeg_M_f32	-6321.02979
AbsHwPos_VehCntrOffset_HwDeg_M_f32	815.099976
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.150000006
k_HwPosOutputLPFError_HwDeg_f32	822.799988
k_I2CHwAuthority_Uls_f32	0.150000006
k_MaxSensorlessAuthority_Uls_f32	0.239999995
k_MaxVehCntrOffDiff_HwDeg_f32	525.799988
k_MinSensorlessAuthority_Uls_f32	0.150000006
k_TurnsCntrAuthority_Uls_f32	0.150000006
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	466.399994
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	482
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.239999995
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1600
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	74
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	513.099976
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1859
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	139.100006	139.100006 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.239999995	0.239999995 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-473.808807	-473.808807 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-473.808807	-473.808807 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1600	1600 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.239999995	0.239999995 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	1600	1600 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	815.099976	815.099976 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.239999995	0.239999995 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-473.808807	-473.808807 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓

Name	Actual Value	Expected Value	Result
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	513.099976	513.099976 ± 0.0009	✔

Test Step Call Trace			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.18 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2239.57007	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.170000002	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	889.099976	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.170000002	
AbsHwPos_HwPosSource_Cnt_M_u16	208	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	151.5	
AbsHwPos_RelHwPos_HwDeg_M_f32	151.5	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22929	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	550.690002	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.170000002	
AbsHwPos_TempHwPos_HwDeg_M_f32	6461.77002	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	845.299988	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.159999996	
k_HwPosOutputLPFError_HwDeg_f32	852.5	
k_I2CHwAuthority_Uls_f32	0.159999996	
k_MaxSensorlessAuthority_Uls_f32	0.25	
k_MaxVehCntrOffDiff_HwDeg_f32	555.5	
k_MinSensorlessAuthority_Uls_f32	0.159999996	
k_TurnsCntrAuthority_Uls_f32	0.159999996	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	496.100006	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	502.100006	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.25	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	0	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	80	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	543.299988	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1983	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	

Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_AlignedHwPos_HwDeg_M_f32	151.5	151.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.25	0.25 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	0	0 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.25	0.25 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	0	0 ± 0.1	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.25	0.25 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	0	0 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 2.19 (Repeat Count = 1)	✔
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	2380.31006
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.180000007
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	909.380005
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.180000007
AbsHwPos_HwPosSource_Cnt_M_u16	216
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	163.899994
AbsHwPos_RelHwPos_HwDeg_M_f32	163.899994
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23001
AbsHwPos_SrlComHwPos_HwDeg_M_f32	691.429993
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.180000007
AbsHwPos_TempHwPos_HwDeg_M_f32	6602.50977
AbsHwPos_VehCntrOffset_HwDeg_M_f32	875.5
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.170000002
k_HwPosOutputLPFError_HwDeg_f32	882.200012
k_I2CHwAuthority_Uls_f32	0.170000002
k_MaxSensorlessAuthority_Uls_f32	0.25999999
k_MaxVehCntrOffDiff_HwDeg_f32	585.200012
k_MinSensorlessAuthority_Uls_f32	0.170000002
k_TurnsCntrAuthority_Uls_f32	0.170000002
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	525.799988
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	522.200012
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.25999999
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	421.700012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	86
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	573.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2107
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	163.899994	163.899994 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.180000007	0.180000007 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1934.14343	1934.14343 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	216	216	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1934.14343	1934.14343 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	691.429993	691.429993 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.180000007	0.180000007 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	6602.50977	6602.50977 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	875.5	875.5 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.180000007	0.180000007 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	216	216	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	691.429993	691.429993 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓	

Test Step 2.20 (Repeat Count = 1)	✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2239.57007
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.170000002
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	889.099976
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.170000002
AbsHwPos_HwPosSource_Cnt_M_u16	208
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	151.5
AbsHwPos_RelHwPos_HwDeg_M_f32	151.5
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22929
AbsHwPos_SrlComHwPos_HwDeg_M_f32	550.690002
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.170000002
AbsHwPos_TempHwPos_HwDeg_M_f32	6461.77002
AbsHwPos_VehCntrOffset_HwDeg_M_f32	845.299988
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.159999996
k_HwPosOutputLPFError_HwDeg_f32	852.5
k_I2CHwAuthority_Uls_f32	0.159999996
k_MaxSensorlessAuthority_Uls_f32	0.25
k_MaxVehCntrOffDiff_HwDeg_f32	555.5
k_MinSensorlessAuthority_Uls_f32	0.159999996
k_TurnsCntrAuthority_Uls_f32	0.159999996
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	496.100006
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	502.100006
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.25
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-500.600006
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	80

Name	Input Value
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1983
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	151.5	151.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.25	0.25 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-500.600006	-500.600006 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-500.600006	-500.600006 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-500.600006	-500.600006 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.25	0.25 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-500.600006	-500.600006 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.25	0.25 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-500.600006	-500.600006 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-500.600006	-500.600006 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.21 (Repeat Count = 1)   ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2661.79004
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.200000003
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	949.940002
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.200000003
AbsHwPos_HwPosSource_Cnt_M_u16	232
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-941.200012
AbsHwPos_RelHwPos_HwDeg_M_f32	-941.200012
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23145
AbsHwPos_SrlComHwPos_HwDeg_M_f32	972.909973
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.200000003
AbsHwPos_TempHwPos_HwDeg_M_f32	6883.99023
AbsHwPos_VehCntrOffset_HwDeg_M_f32	935.900024
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.189999998
k_HwPosOutputLPFError_HwDeg_f32	941.599976
k_I2CHwAuthority_Uls_f32	0.189999998
k_MaxSensorlessAuthority_Uls_f32	0.280000001

Name	Input Value
k_MaxVehCntrOffDiff_HwDeg_f32	644.599976
k_MinSensorlessAuthority_Uls_f32	0.189999998
k_TurnsCntrAuthority_Uls_f32	0.189999998
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	585.200012
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-900
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.280000001
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	461.899994
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	98
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	633.900024
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2355
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-941.200012	-941.200012 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.189999998	0.189999998 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-900	-900 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	2	2	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-900	-900 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-900	-900 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.189999998	0.189999998 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-900	-900 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	935.900024	935.900024 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.189999998	0.189999998 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-900	-900 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2	2	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-900	-900 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	633.900024	633.900024 ± 0.0009	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✓

Test Step 2.22 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	2802.53003	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.209999993	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	970.219971	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.209999993	
AbsHwPos_HwPosSource_Cnt_M_u16	240	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-921.5	
AbsHwPos_RelHwPos_HwDeg_M_f32	-921.5	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23217	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1113.65002	

Name	Input Value
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.209999993
AbsHwPos_TempHwPos_HwDeg_M_f32	7024.72998
AbsHwPos_VehCntrOffset_HwDeg_M_f32	966.099976
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.200000003
k_HwPosOutputLPFError_HwDeg_f32	971.299988
k_I2CHwAuthority_Uls_f32	0.200000003
k_MaxSensorlessAuthority_Uls_f32	0.289999992
k_MaxVehCntrOffDiff_HwDeg_f32	674.299988
k_MinSensorlessAuthority_Uls_f32	0.200000003
k_TurnsCntrAuthority_Uls_f32	0.200000003
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	614.900024
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	900
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.289999992
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	482
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	104
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	664.099976
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2479
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-921.5	-921.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.200000003	0.200000003 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	955.473755	955.473816 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	2	2	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	955.473755	955.473816 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	900	900 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.200000003	0.200000003 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	900	900 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	966.099976	966.099976 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.200000003	0.200000003 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	955.473755	955.473816 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2	2	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	900	900 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	664.099976	664.099976 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 2.23 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	2943.27002
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.219999999
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-990.5
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.219999999
AbsHwPos_HwPosSource_Cnt_M_u16	248
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	324.5
AbsHwPos_RelHwPos_HwDeg_M_f32	324.5
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23289
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-1254.39001
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.219999999
AbsHwPos_TempHwPos_HwDeg_M_f32	7165.47021
AbsHwPos_VehCntrOffset_HwDeg_M_f32	996.299988
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.209999993
k_HwPosOutputLPFError_HwDeg_f32	1001
k_I2CHwAuthority_Uls_f32	0.209999993
k_MaxSensorlessAuthority_Uls_f32	0.300000012
k_MaxVehCntrOffDiff_HwDeg_f32	704
k_MinSensorlessAuthority_Uls_f32	0.209999993
k_TurnsCntrAuthority_Uls_f32	0.209999993
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	644.599976
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	0
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.300000012
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	502.100006
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	110
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	694.299988
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2603
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	324.5	324.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.209999993	0.209999993 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	0	0 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	2	2	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.209999993	0.209999993 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	996.299988	996.299988 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.209999993	0.209999993 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	0	0 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2	2	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

Name	Actual Value	Expected Value	Result
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	694.299988	694.299988 ± 0.0009	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓	

Test Step 2.24 (Repeat Count = 1)	✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-3084.01001
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.230000004
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1010.78003
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.230000004
AbsHwPos_HwPosSource_Cnt_M_u16	256
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	471.600006
AbsHwPos_RelHwPos_HwDeg_M_f32	471.600006
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23361
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1395.13
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.230000004
AbsHwPos_TempHwPos_HwDeg_M_f32	7306.20996
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1026.5
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.219999999
k_HwPosOutputLPFError_HwDeg_f32	1030.69995
k_I2CHwAuthority_Uls_f32	0.219999999
k_MaxSensorlessAuthority_Uls_f32	0.310000002
k_MaxVehCntrOffDiff_HwDeg_f32	733.700012
k_MinSensorlessAuthority_Uls_f32	0.219999999
k_TurnsCntrAuthority_Uls_f32	0.219999999
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	674.299988
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	100.300003
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.310000002
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	522.200012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	116
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	724.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2727
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	471.600006	471.600006 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.219999999	0.219999999 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	100.300003	100.300003 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	2	2	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	100.300003	100.300003 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	100.300003	100.300003 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.219999999	0.219999999 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	100.300003	100.300003 ± 0.1	✓

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1026.5	1026.5 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.219999999	0.219999999 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	100.300003	100.300003 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2	2	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	100.300003	100.300003 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.25 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	3224.75
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.239999995
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1031.06006
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.239999995
AbsHwPos_HwPosSource_Cnt_M_u16	264
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-488.100006
AbsHwPos_RelHwPos_HwDeg_M_f32	-488.100006
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23433
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1535.87
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.239999995
AbsHwPos_TempHwPos_HwDeg_M_f32	-7446.9502
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1056.69995
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.230000004
k_HwPosOutputLPFError_HwDeg_f32	1060.40002
k_I2CHwAuthority_Uls_f32	0.230000004
k_MaxSensorlessAuthority_Uls_f32	0.319999993
k_MaxVehCntrOffDiff_HwDeg_f32	763.400024
k_MinSensorlessAuthority_Uls_f32	0.230000004
k_TurnsCntrAuthority_Uls_f32	0.230000004
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	704
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-350.200012
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.319999993
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	542.299988
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	122
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	754.700012
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2851
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32

Name	Input Value		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-488.100006	-488.100006 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.230000004	0.230000004 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-350.200012	-350.200012 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	2	2	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-350.200012	-350.200012 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-350.200012	-350.200012 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.230000004	0.230000004 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-350.200012	-350.200012 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1056.69995	1056.69995 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.230000004	0.230000004 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-350.200012	-350.200012 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2	2	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-350.200012	-350.200012 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	754.700012	754.700012 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 2.26 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	3365.48999	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.25	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1051.33997	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.25	
AbsHwPos_HwPosSource_Cnt_M_u16	272	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	765.799988	
AbsHwPos_RelHwPos_HwDeg_M_f32	765.799988	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23505	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-1676.60999	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.25	
AbsHwPos_TempHwPos_HwDeg_M_f32	7587.68994	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1086.90002	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.239999995	
k_HwPosOutputLPFError_HwDeg_f32	1090.09998	
k_I2CHwAuthority_Uls_f32	0.239999995	
k_MaxSensorlessAuthority_Uls_f32	0.330000013	
k_MaxVehCntrOffDiff_HwDeg_f32	793.099976	
k_MinSensorlessAuthority_Uls_f32	0.239999995	
k_TurnsCntrAuthority_Uls_f32	0.239999995	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	733.700012	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-330.5	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.330000013	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	562.400024	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	128	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	784.900024	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2975	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0	

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	765.799988	765.799988 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.239999995	0.239999995 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	705.880005	705.880005 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	2	2	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	705.880005	705.880005 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-330.5	-330.5 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.239999995	0.239999995 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-330.5	-330.5 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1086.90002	1086.90002 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.239999995	0.239999995 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	705.880005	705.880005 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2	2	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-330.5	-330.5 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 2.27 (Repeat Count = 1)	✔
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2239.57007
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.170000002
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	889.099976
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.170000002
AbsHwPos_HwPosSource_Cnt_M_u16	208
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	151.5
AbsHwPos_RelHwPos_HwDeg_M_f32	151.5
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22929
AbsHwPos_SrlComHwPos_HwDeg_M_f32	550.690002
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.170000002
AbsHwPos_TempHwPos_HwDeg_M_f32	6461.77002
AbsHwPos_VehCntrOffset_HwDeg_M_f32	845.299988
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.159999996
k_HwPosOutputLPFError_HwDeg_f32	852.5
k_I2CHwAuthority_Uls_f32	0.159999996
k_MaxSensorlessAuthority_Uls_f32	0.25
k_MaxVehCntrOffDiff_HwDeg_f32	555.5
k_MinSensorlessAuthority_Uls_f32	0.159999996

Name	Input Value
k_TurnsCntrAuthority_Uls_f32	0.159999996
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	496.100006
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	502.100006
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.25
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	0
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	80
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	543.299988
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1983
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	151.5	151.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.25	0.25 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	0	0 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.25	0.25 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.25	0.25 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	0	0 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	543.299988	543.299988 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 2.28 (Repeat Count = 1)	✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	3646.96997
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.270000011
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1091.90002
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.270000011
AbsHwPos_HwPosSource_Cnt_M_u16	2288
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1060
AbsHwPos_RelHwPos_HwDeg_M_f32	1060
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23649
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1958.08997

Name	Input Value
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.270000011
AbsHwPos_TempHwPos_HwDeg_M_f32	-7869.16992
AbsHwPos_VehCntrOffset_HwDeg_M_f32	9238.54004
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.25999999
k_HwPosOutputLPFError_HwDeg_f32	1149.5
k_I2CHwAuthority_Uls_f32	0.25999999
k_MaxSensorlessAuthority_Uls_f32	0
k_MaxVehCntrOffDiff_HwDeg_f32	852.5
k_MinSensorlessAuthority_Uls_f32	0.25999999
k_TurnsCntrAuthority_Uls_f32	0.25999999
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	793.099976
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-291.100006
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.349999994
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	602.599976
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	845.299988
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3223
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1060	1060 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.25999999	0.25999999 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-712.636963	-712.636902 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1	1	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-712.636963	-712.636902 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-5591.57031	-5591.56982 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.25999999	0.25999999 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-5591.57031	-5591.56982 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	9238.54004	9238.54004 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.25999999	0.25999999 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-712.636963	-712.636902 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1	1	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	845.299988	845.299988 ± 0.0009	✔

Test Step Call Trace			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.29 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	3787.70996
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.280000001
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1112.18005
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.280000001
AbsHwPos_HwPosSource_Cnt_M_u16	296
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1207.09998
AbsHwPos_RelHwPos_HwDeg_M_f32	1207.09998
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23721
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2098.83008
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.280000001
AbsHwPos_TempHwPos_HwDeg_M_f32	8009.91016
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1132.57996
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.270000011
k_HwPosOutputLPFError_HwDeg_f32	1179.19995
k_I2CHwAuthority_Uls_f32	0.270000011
k_MaxSensorlessAuthority_Uls_f32	1
k_MaxVehCntrOffDiff_HwDeg_f32	882.200012
k_MinSensorlessAuthority_Uls_f32	0.270000011
k_TurnsCntrAuthority_Uls_f32	0.270000011
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	822.799988
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-271.399994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.360000014
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	622.700012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	875.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3347
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1207.09998	1207.09998 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.360000014	0.360000014 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	622.700012	622.700012 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	622.700012	622.700012 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2098.83008	2098.83008 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.360000014	0.360000014 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	622.700012	622.700012 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1132.57996	-1132.57996 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.360000014	0.360000014 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	622.700012	622.700012 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔

Name	Actual Value	Expected Value	Result
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	875.5	875.5 ± 0.0009	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.30 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-1676.60999	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.129999995	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-807.97998	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.129999995	
AbsHwPos_HwPosSource_Cnt_M_u16	176	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-901.799988	
AbsHwPos_RelHwPos_HwDeg_M_f32	-901.799988	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22641	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7861.0498	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.129999995	
AbsHwPos_TempHwPos_HwDeg_M_f32	260.899994	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	724.5	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.119999997	
k_HwPosOutputLPFError_HwDeg_f32	733.700012	
k_I2CHwAuthority_Uls_f32	0.119999997	
k_MaxSensorlessAuthority_Uls_f32	0.209999993	
k_MaxVehCntrOffDiff_HwDeg_f32	436.700012	
k_MinSensorlessAuthority_Uls_f32	0.119999997	
k_TurnsCntrAuthority_Uls_f32	0.119999997	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	377.299988	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	321.200012	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.100000001	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	321.200012	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	422.5	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1487	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-901.799988	-901.799988 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.119999997	0.119999997 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-1015.08685	-1015.08691 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	1	1	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1015.08685	-1015.08691 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-2401.10986	-2401.11011 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.119999997	0.119999997 ± 0.004	✓

Name	Actual Value	Expected Value	Result
AbsHwPos_TempHwPos_HwDeg_M_f32	-2401.10986	-2401.11011 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	724.5	724.5 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.119999997	0.119999997 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1015.08685	-1015.08691 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1	1	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	422.5	422.5 ± 0.0009	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✓

Test Step 2.31 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	4069.18994	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.300000012	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1152.73999	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.300000012	
AbsHwPos_HwPosSource_Cnt_M_u16	4312	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1501.30005	
AbsHwPos_RelHwPos_HwDeg_M_f32	1501.30005	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23865	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2380.31006	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.300000012	
AbsHwPos_TempHwPos_HwDeg_M_f32	8920.66016	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8920.66016	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.100000001	
k_HwPosOutputLPFError_HwDeg_f32	1238.59998	
k_I2CHwAuthority_Uls_f32	0.100000001	
k_MaxSensorlessAuthority_Uls_f32	0.379999995	
k_MaxVehCntrOffDiff_HwDeg_f32	941.599976	
k_MinSensorlessAuthority_Uls_f32	0	
k_TurnsCntrAuthority_Uls_f32	0.100000001	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	882.200012	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-232	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.379999995	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	662.900024	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	158	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	935.900024	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3595	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	

Name	Input Value		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1501.30005	1501.30005 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.379999995	0.379999995 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	662.900024	662.900024 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	662.900024	662.900024 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	662.900024	662.900024 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.379999995	0.379999995 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	662.900024	662.900024 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8920.66016	8920.66016 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.379999995	0.379999995 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	662.900024	662.900024 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	662.900024	662.900024 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	935.900024	935.900024 ± 0.0009	✓

Test Step Call Trace			✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.32 (Repeat Count = 1)			✓
Name	**Input Value**		
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	4209.93018		
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.310000002		
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1173.02002		
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.310000002		
AbsHwPos_HwPosSource_Cnt_M_u16	320		
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID		
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-448.700012		
AbsHwPos_RelHwPos_HwDeg_M_f32	-448.700012		
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23937		
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2521.05005		
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.310000002		
AbsHwPos_TempHwPos_HwDeg_M_f32	8814.7002		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8814.7002		
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1		
AbsHwPos_VehCntrValid_Cnt_M_lgc	0		
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus		
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos		
k_HwPosAuthorityStep_Uls_f32	0.200000003		
k_HwPosOutputLPFError_HwDeg_f32	1268.30005		
k_I2CHwAuthority_Uls_f32	0.200000003		
k_MaxSensorlessAuthority_Uls_f32	0.389999986		
k_MaxVehCntrOffDiff_HwDeg_f32	1060.40002		
k_MinSensorlessAuthority_Uls_f32	1		
k_TurnsCntrAuthority_Uls_f32	0.200000003		
k_UseTurnsCntr_Cnt_lgc	1		
k_VehCntrOffValidLimit_HwDeg_f32	911.900024		
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0		
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1		
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-212.300003		
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2		
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.389999986		
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	683		
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100		
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	966.099976		
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3719		
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0		

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-448.700012	-448.700012 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.109999999	0.109999999 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	3541.94092	3541.94092 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	320	320	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	3541.94092	3541.94092 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2521.05005	2521.05005 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	8814.7002	8814.7002 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8814.7002	8814.7002 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.109999999	0.109999999 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	320	320	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓	

Test Step 2.33 (Repeat Count = 1)	✓
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-4350.66992
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.319999993
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1193.30005
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.319999993
AbsHwPos_HwPosSource_Cnt_M_u16	328
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-429
AbsHwPos_RelHwPos_HwDeg_M_f32	-429
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24009
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-2661.79004
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.319999993
AbsHwPos_TempHwPos_HwDeg_M_f32	-8708.74023
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1208.73999
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.310000002
k_HwPosOutputLPFError_HwDeg_f32	1298
k_I2CHwAuthority_Uls_f32	0.310000002
k_MaxSensorlessAuthority_Uls_f32	0.400000006
k_MaxVehCntrOffDiff_HwDeg_f32	1090.09998

Name	Input Value
k_MinSensorlessAuthority_Uls_f32	0.310000002
k_TurnsCntrAuthority_Uls_f32	0.310000002
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	941.599976
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-192.600006
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.400000006
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	703.099976
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	170
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	996.299988
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3843
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-429	-429 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.400000006	0.400000006 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	703.099976	703.099976 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	703.099976	703.099976 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	703.099976	703.099976 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.400000006	0.400000006 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	703.099976	703.099976 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1208.73999	-1208.73999 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.400000006	0.400000006 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	703.099976	703.099976 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	703.099976	703.099976 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	996.299988	996.299988 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.34 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	4491.41016
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.330000013
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1213.57996
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.330000013
AbsHwPos_HwPosSource_Cnt_M_u16	336
AbsHwPos_HwPosState_Cnt_M_enum	7
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	147.300003
AbsHwPos_RelHwPos_HwDeg_M_f32	147.300003
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24081
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2802.53003
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.330000013

Name	Input Value
AbsHwPos_TempHwPos_HwDeg_M_f32	8602.78027
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8602.78027
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.319999993
k_HwPosOutputLPFError_HwDeg_f32	1327.69995
k_I2CHwAuthority_Uls_f32	0.319999993
k_MaxSensorlessAuthority_Uls_f32	0.409999996
k_MaxVehCntrOffDiff_HwDeg_f32	1119.80005
k_MinSensorlessAuthority_Uls_f32	0.319999993
k_TurnsCntrAuthority_Uls_f32	0.319999993
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	0
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-172.899994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.409999996
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	723.200012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	176
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1026.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3967
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	147.300003	147.300003 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.0100000203	0.00999999978 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	3652.01611	3652.01611 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	3652.01611	3652.01611 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	8602.78027	8602.78027 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8602.78027	8602.78027 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.0100000203	0.00999999978 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1026.5	1026.5 ± 0.009	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓	

Test Step 2.35 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	4632.1499
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.340000004
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1233.85999
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.340000004
AbsHwPos_HwPosSource_Cnt_M_u16	344
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	156.899994
AbsHwPos_RelHwPos_HwDeg_M_f32	156.899994
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24153
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2943.27002
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.340000004
AbsHwPos_TempHwPos_HwDeg_M_f32	8496.82031
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8496.82031
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.330000013
k_HwPosOutputLPFError_HwDeg_f32	1357.40002
k_I2CHwAuthority_Uls_f32	0.330000013
k_MaxSensorlessAuthority_Uls_f32	0.419999987
k_MaxVehCntrOffDiff_HwDeg_f32	1149.5
k_MinSensorlessAuthority_Uls_f32	0.330000013
k_TurnsCntrAuthority_Uls_f32	0.330000013
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1600
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	461.899994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.419999987
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	743.299988
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	182
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1056.69995
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	4091
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	156.899994	156.899994 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	3703.2666	3703.26636 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	3703.2666	3703.26636 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2943.27002	2943.27002 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	8496.82031	8496.82031 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8496.82031	8496.82031 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓

Name	Actual Value	Expected Value	Result
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 2.36 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-4772.89014	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.349999994	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1254.14001	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.349999994	
AbsHwPos_HwPosSource_Cnt_M_u16	352	
AbsHwPos_HwPosState_Cnt_M_enum	9	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	166.5	
AbsHwPos_RelHwPos_HwDeg_M_f32	166.5	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24225	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-3084.01001	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.349999994	
AbsHwPos_TempHwPos_HwDeg_M_f32	-8390.86035	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1390.85999	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.340000004	
k_HwPosOutputLPFError_HwDeg_f32	1387.09998	
k_I2CHwAuthority_Uls_f32	0.340000004	
k_MaxSensorlessAuthority_Uls_f32	0.430000007	
k_MaxVehCntrOffDiff_HwDeg_f32	1179.19995	
k_MinSensorlessAuthority_Uls_f32	0.340000004	
k_TurnsCntrAuthority_Uls_f32	0.340000004	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	1030.69995	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	482	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.430000007	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	763.400024	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	188	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1086.90002	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	4215	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	166.5	166.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-2121.60986	-2121.61011 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-2121.60986	-2121.61011 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-8390.86035	-8390.86035 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1390.85999	-1390.85999 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.37 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	4913.62988	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.360000014	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1274.42004	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.360000014	
AbsHwPos_HwPosSource_Cnt_M_u16	360	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	176.100006	
AbsHwPos_RelHwPos_HwDeg_M_f32	176.100006	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24297	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	3224.75	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.360000014	
AbsHwPos_TempHwPos_HwDeg_M_f32	8284.88965	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8284.88965	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.100000001	
k_HwPosOutputLPFError_HwDeg_f32	1416.80005	
k_I2CHwAuthority_Uls_f32	0.100000001	
k_MaxSensorlessAuthority_Uls_f32	0.439999998	
k_MaxVehCntrOffDiff_HwDeg_f32	1208.90002	
k_MinSensorlessAuthority_Uls_f32	0.100000001	
k_TurnsCntrAuthority_Uls_f32	0.100000001	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	1060.40002	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	502.100006	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.439999998	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	783.5	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	194	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	4339	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	176.100006	176.100006 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.439999998	0.439999998 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	783.5	783.5 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	783.5	783.5 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	783.5	783.5 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.439999998	0.439999998 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	783.5	783.5 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.439999998	0.439999998 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	783.5	783.5 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	783.5	783.5 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 2.38 (Repeat Count = 1)	✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	5054.37012
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.370000005
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1294.69995
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.370000005
AbsHwPos_HwPosSource_Cnt_M_u16	368
AbsHwPos_HwPosState_Cnt_M_enum	11
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	185.699997
AbsHwPos_RelHwPos_HwDeg_M_f32	185.699997
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24369
AbsHwPos_SrlComHwPos_HwDeg_M_f32	3365.48999
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.370000005
AbsHwPos_TempHwPos_HwDeg_M_f32	8178.93018
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8178.93018
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.300000012
k_HwPosOutputLPFError_HwDeg_f32	1446.5
k_I2CHwAuthority_Uls_f32	0.300000012
k_MaxSensorlessAuthority_Uls_f32	0.449999988
k_MaxVehCntrOffDiff_HwDeg_f32	1238.59998
k_MinSensorlessAuthority_Uls_f32	0.300000012
k_TurnsCntrAuthority_Uls_f32	0.300000012
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1090.09998
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	522.200012
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2

Name	Input Value
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.449999988
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	803.599976
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	200
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	4463
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	185.699997	185.699997 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.0699999928	0.0700000003 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	3841.86523	3841.86499 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	3841.86523	3841.86499 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	8178.93018	8178.93018 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8178.93018	8178.93018 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.0699999928	0.0700000003 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 2.39 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	5195.10986	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.379999995	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1314.97998	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.379999995	
AbsHwPos_HwPosSource_Cnt_M_u16	376	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	195.300003	
AbsHwPos_RelHwPos_HwDeg_M_f32	195.300003	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24441	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-3506.22998	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.379999995	
AbsHwPos_TempHwPos_HwDeg_M_f32	-8072.97021	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1072.96997	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.370000005	

Name	Input Value
k_HwPosOutputLPFError_HwDeg_f32	1476.19995
k_I2CHwAuthority_Uls_f32	0.370000005
k_MaxSensorlessAuthority_Uls_f32	0.460000008
k_MaxVehCntrOffDiff_HwDeg_f32	1268.30005
k_MinSensorlessAuthority_Uls_f32	0.370000005
k_TurnsCntrAuthority_Uls_f32	0.370000005
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1119.80005
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	542.299988
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.460000008
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	823.700012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	206
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	0
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	4587
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	195.300003	195.300003 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.460000008	0.460000008 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	823.700012	823.700012 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	823.700012	823.700012 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	823.700012	823.700012 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.460000008	0.460000008 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	823.700012	823.700012 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.460000008	0.460000008 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	823.700012	823.700012 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	823.700012	823.700012 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.40 (Repeat Count = 1)   ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-5335.8501
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.389999986
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1487
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.389999986

Name	Input Value
AbsHwPos_HwPosSource_Cnt_M_u16	6384
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	204.899994
AbsHwPos_RelHwPos_HwDeg_M_f32	204.899994
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24513
AbsHwPos_SrlComHwPos_HwDeg_M_f32	3646.96997
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.389999986
AbsHwPos_TempHwPos_HwDeg_M_f32	7967.00977
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7967.00977
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.379999995
k_HwPosOutputLPFError_HwDeg_f32	1505.90002
k_I2CHwAuthority_Uls_f32	0.379999995
k_MaxSensorlessAuthority_Uls_f32	0.469999999
k_MaxVehCntrOffDiff_HwDeg_f32	1298
k_MinSensorlessAuthority_Uls_f32	0.379999995
k_TurnsCntrAuthority_Uls_f32	0.379999995
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1149.5
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	562.400024
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.469999999
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	843.799988
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	212
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1000.59998
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	4711
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	204.899994	204.899994 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	4014.20361	4014.20386 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	4014.20361	4014.20386 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	7967.00977	7967.00977 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7967.00977	7967.00977 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1000.59998	1000.59998 ± 0.009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.41 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	5476.58984
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.400000006
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1507.09998
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.400000006
AbsHwPos_HwPosSource_Cnt_M_u16	392
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	214.5
AbsHwPos_RelHwPos_HwDeg_M_f32	214.5
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24585
AbsHwPos_SrlComHwPos_HwDeg_M_f32	3787.70996
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.400000006
AbsHwPos_TempHwPos_HwDeg_M_f32	7861.0498
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7861.0498
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.389999986
k_HwPosOutputLPFError_HwDeg_f32	1535.59998
k_I2CHwAuthority_Uls_f32	0.389999986
k_MaxSensorlessAuthority_Uls_f32	0.479999989
k_MaxVehCntrOffDiff_HwDeg_f32	1327.69995
k_MinSensorlessAuthority_Uls_f32	0.389999986
k_TurnsCntrAuthority_Uls_f32	0.389999986
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1179.19995
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	582.5
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.479999989
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	863.900024
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	218
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-500.899994
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	4835
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	214.5	214.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.479999989	0.479999989 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	863.900024	863.900024 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	863.900024	863.900024 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	863.900024	863.900024 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.479999989	0.479999989 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	863.900024	863.900024 ± 0.1	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.479999989	0.479999989 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	863.900024	863.900024 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	863.900024	863.900024 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 2.42 (Repeat Count = 1)	✔
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1617.32996
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.409999996
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1527.19995
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.409999996
AbsHwPos_HwPosSource_Cnt_M_u16	400
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	224.100006
AbsHwPos_RelHwPos_HwDeg_M_f32	224.100006
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24657
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-3928.44995
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.409999996
AbsHwPos_TempHwPos_HwDeg_M_f32	-7755.08984
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1455.08997
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.400000006
k_HwPosOutputLPFError_HwDeg_f32	1565.30005
k_I2CHwAuthority_Uls_f32	0.400000006
k_MaxSensorlessAuthority_Uls_f32	0.49000001
k_MaxVehCntrOffDiff_HwDeg_f32	0
k_MinSensorlessAuthority_Uls_f32	0.400000006
k_TurnsCntrAuthority_Uls_f32	0.400000006
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1208.90002
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	602.599976
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.49000001
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	884
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	224
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1268.09998
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	4959
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	224.100006	224.100006 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-2278.53882	-2278.53882 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-2278.53882	-2278.53882 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-7755.08984	-7755.08984 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	733.329956	733.330017 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	733.329956	733.330017 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.43 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-558.070007	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.419999987	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	157.300003	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.419999987	
AbsHwPos_HwPosSource_Cnt_M_u16	408	
AbsHwPos_HwPosState_Cnt_M_enum	3	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-389.600006	
AbsHwPos_RelHwPos_HwDeg_M_f32	-389.600006	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24729	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	4069.18994	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.419999987	
AbsHwPos_TempHwPos_HwDeg_M_f32	269.209991	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7649.14014	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.409999996	
k_HwPosOutputLPFError_HwDeg_f32	1595	
k_I2CHwAuthority_Uls_f32	0.409999996	
k_MaxSensorlessAuthority_Uls_f32	0.5	
k_MaxVehCntrOffDiff_HwDeg_f32	1600	
k_MinSensorlessAuthority_Uls_f32	0.409999996	
k_TurnsCntrAuthority_Uls_f32	0.409999996	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	1500.34998	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	622.700012	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.5	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	904.099976	

Name	Input Value
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	230
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1298.30005
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	5083
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-389.600006	-389.600006 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.419999987	0.419999987 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	269.209991	269.209991 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	408	408	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	269.209991	269.209991 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24729	24729	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	4069.18994	4069.18994 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.419999987	0.419999987 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	269.209991	269.209991 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1462.16992	-1462.17004 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.419999987	0.419999987 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	269.209991	269.209991 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	408	408	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	24729	24729	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1462.16992	-1462.17004 ± 0.009	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.44 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	898.809998
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.430000007
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	567.400024
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.430000007
AbsHwPos_HwPosSource_Cnt_M_u16	416
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	243.300003
AbsHwPos_RelHwPos_HwDeg_M_f32	243.300003
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24801
AbsHwPos_SrlComHwPos_HwDeg_M_f32	4209.93018
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.430000007
AbsHwPos_TempHwPos_HwDeg_M_f32	-409.950012
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7543.18018
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.419999987
k_HwPosOutputLPFError_HwDeg_f32	50.5999985

Name	Input Value
k_I2CHwAuthority_Uls_f32	0.419999987
k_MaxSensorlessAuthority_Uls_f32	0.50999999
k_MaxVehCntrOffDiff_HwDeg_f32	5
k_MinSensorlessAuthority_Uls_f32	0.419999987
k_TurnsCntrAuthority_Uls_f32	0.419999987
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1268.30005
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	642.799988
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.50999999
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	924.200012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	236
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1328.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	5207
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	243.300003	243.300003 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.0100000203	0.00999999978 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	147.139496	147.139496 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	147.139496	147.139496 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-409.950012	-409.950012 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-25.3900146	-25.3899994 ± 0.00009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.0100000203	0.00999999978 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	147.139496	147.139496 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-25.3900146	-25.3900146 ± 0.0009	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.45 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	6039.5498
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.439999998
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1587.5
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.439999998
AbsHwPos_HwPosSource_Cnt_M_u16	424

Name	Input Value
AbsHwPos_HwPosState_Cnt_M_enum	5
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	252.899994
AbsHwPos_RelHwPos_HwDeg_M_f32	252.899994
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24873
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-4350.66992
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.439999998
AbsHwPos_TempHwPos_HwDeg_M_f32	550.690002
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1437.21997
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.430000007
k_HwPosOutputLPFError_HwDeg_f32	0
k_I2CHwAuthority_Uls_f32	0.430000007
k_MaxSensorlessAuthority_Uls_f32	0.519999981
k_MaxVehCntrOffDiff_HwDeg_f32	1446.5
k_MinSensorlessAuthority_Uls_f32	0.430000007
k_TurnsCntrAuthority_Uls_f32	0.430000007
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1298
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	662.900024
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.519999981
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	944.299988
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	242
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1358.69995
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	5331
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	252.899994	252.899994 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.439999998	0.439999998 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1131.30359	1131.30359 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	424	424	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1131.30359	1131.30359 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24873	24873	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-4350.66992	-4350.66992 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.439999998	0.439999998 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	550.690002	550.690002 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1437.21997	-1437.21997 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.439999998	0.439999998 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1131.30359	1131.30359 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	424	424	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	24873	24873	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1358.69995	1358.69995 ± 0.009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.46 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	6180.29004
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.449999988
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-1000.29999
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.449999988
AbsHwPos_HwPosSource_Cnt_M_u16	432
AbsHwPos_HwPosState_Cnt_M_enum	6
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	262.5
AbsHwPos_RelHwPos_HwDeg_M_f32	262.5
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24945
AbsHwPos_SrlComHwPos_HwDeg_M_f32	4491.41016
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.449999988
AbsHwPos_TempHwPos_HwDeg_M_f32	691.429993
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7331.25977
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.439999998
k_HwPosOutputLPFError_HwDeg_f32	1620
k_I2CHwAuthority_Uls_f32	0.439999998
k_MaxSensorlessAuthority_Uls_f32	0.529999971
k_MaxVehCntrOffDiff_HwDeg_f32	1476.19995
k_MinSensorlessAuthority_Uls_f32	0.439999998
k_TurnsCntrAuthority_Uls_f32	0.439999998
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1327.69995
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	683
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.529999971
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	964.400024
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	248
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1388.90002
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	5455
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	262.5	262.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	691.429993	691.429993 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	691.429993	691.429993 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	691.429993	691.429993 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7331.25977	7331.25977 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	691.429993	691.429993 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1388.90002	1388.90002 ± 0.009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 2.47 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-6321.02979
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.460000008
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-980.599976
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.460000008
AbsHwPos_HwPosSource_Cnt_M_u16	6440
AbsHwPos_HwPosState_Cnt_M_enum	7
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	272.100006
AbsHwPos_RelHwPos_HwDeg_M_f32	272.100006
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25017
AbsHwPos_SrlComHwPos_HwDeg_M_f32	4632.1499
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.460000008
AbsHwPos_TempHwPos_HwDeg_M_f32	-832.169983
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7225.2998
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.449999988
k_HwPosOutputLPFError_HwDeg_f32	5
k_I2CHwAuthority_Uls_f32	0.449999988
k_MaxSensorlessAuthority_Uls_f32	0.540000021
k_MaxVehCntrOffDiff_HwDeg_f32	1505.90002
k_MinSensorlessAuthority_Uls_f32	0.449999988
k_TurnsCntrAuthority_Uls_f32	0.449999988
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1357.40002
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	703.099976
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.540000021
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	984.5
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	254
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1419.09998
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	5579
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	272.100006	272.100006 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.460000008	0.460000008 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-912.322144	-912.322205 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	6440	6440	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-912.322144	-912.322205 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25017	25017	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	4632.1499	4632.1499 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.460000008	0.460000008 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-832.169983	-832.169983 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7225.2998	7225.2998 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.460000008	0.460000008 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-912.322144	-912.322205 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	6440	6440	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	25017	25017	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔

Name	Actual Value	Expected Value	Result
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1419.09998	1419.09998 ± 0.009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.48 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	6461.77002	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.469999999	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-960.900024	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.469999999	
AbsHwPos_HwPosSource_Cnt_M_u16	448	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	281.700012	
AbsHwPos_RelHwPos_HwDeg_M_f32	281.700012	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25089	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-4772.89014	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.469999999	
AbsHwPos_TempHwPos_HwDeg_M_f32	972.909973	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1119.32996	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0	
k_HwPosOutputLPFError_HwDeg_f32	169.399994	
k_I2CHwAuthority_Uls_f32	0.460000008	
k_MaxSensorlessAuthority_Uls_f32	0.550000012	
k_MaxVehCntrOffDiff_HwDeg_f32	1535.59998	
k_MinSensorlessAuthority_Uls_f32	0.460000008	
k_TurnsCntrAuthority_Uls_f32	0.460000008	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	1387.09998	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	723.200012	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.550000012	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1004.59998	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	12	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-980.599976	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	5703	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_AlignedHwPos_HwDeg_M_f32	281.700012	281.700012 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.469999999	0.469999999 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-52.0092773	-52.0093002 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-52.0092773	-52.0093002 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	972.909973	972.909973 ± 0.1	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1119.32996	-1119.32996 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.469999999	0.469999999 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-52.0092773	-52.0093002 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.49 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	6602.50977	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.479999989	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1547.30005	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.479999989	
AbsHwPos_HwPosSource_Cnt_M_u16	456	
AbsHwPos_HwPosState_Cnt_M_enum	9	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-350.200012	
AbsHwPos_RelHwPos_HwDeg_M_f32	-350.200012	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25161	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	4913.62988	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.479999989	
AbsHwPos_TempHwPos_HwDeg_M_f32	1113.65002	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7013.37988	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	1	
k_HwPosOutputLPFError_HwDeg_f32	199.100006	
k_I2CHwAuthority_Uls_f32	0.469999999	
k_MaxSensorlessAuthority_Uls_f32	0.560000002	
k_MaxVehCntrOffDiff_HwDeg_f32	1565.30005	
k_MinSensorlessAuthority_Uls_f32	0.469999999	
k_TurnsCntrAuthority_Uls_f32	0.469999999	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	1416.80005	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	743.299988	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.560000002	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1024.69995	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	16	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-960.900024	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	5827	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	

Name	Input Value		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-350.200012	-350.200012 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.479999989	0.479999989 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1339.14807	1339.14795 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	456	456	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1339.14807	1339.14795 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25161	25161	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	4913.62988	4913.62988 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.479999989	0.479999989 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	1113.65002	1113.65002 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7013.37988	7013.37988 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.479999989	0.479999989 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1339.14807	1339.14795 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	456	456	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	25161	25161	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-960.900024	-960.900024 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.50 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-6743.25	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.49000001	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1567.40002	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.49000001	
AbsHwPos_HwPosSource_Cnt_M_u16	464	
AbsHwPos_HwPosState_Cnt_M_enum	10	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	300.899994	
AbsHwPos_RelHwPos_HwDeg_M_f32	300.899994	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25233	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	5054.37012	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.49000001	
AbsHwPos_TempHwPos_HwDeg_M_f32	-1254.39001	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6907.41992	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.200000003	
k_HwPosOutputLPFError_HwDeg_f32	228.800003	
k_I2CHwAuthority_Uls_f32	0.479999989	
k_MaxSensorlessAuthority_Uls_f32	0.569999993	
k_MaxVehCntrOffDiff_HwDeg_f32	1595	
k_MinSensorlessAuthority_Uls_f32	0.479999989	
k_TurnsCntrAuthority_Uls_f32	0.479999989	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	1446.5	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	763.400024	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.569999993	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1044.80005	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	20	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-941.200012	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	5951	

Name	Input Value
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_Igc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_Igc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_Igc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	300.899994	300.899994 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.290000021	0.290000021 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	184.7229	184.7229 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	184.7229	184.7229 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-1254.39001	-1254.39001 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6907.41992	6907.41992 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_Igc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_Igc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.290000021	0.290000021 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	184.7229	184.7229 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock		1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✓

Test Step 2.51 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	6883.99023	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.5	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-901.799988	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.5	
AbsHwPos_HwPosSource_Cnt_M_u16	472	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	310.5	
AbsHwPos_RelHwPos_HwDeg_M_f32	310.5	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25305	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	5195.10986	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.5	
AbsHwPos_TempHwPos_HwDeg_M_f32	1395.13	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	269.209991	
AbsHwPos_VehCntrOfstLearn_Cnt_M_Igc	0	
AbsHwPos_VehCntrValid_Cnt_M_Igc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.49000001	
k_HwPosOutputLPFError_HwDeg_f32	258.5	
k_I2CHwAuthority_Uls_f32	0	
k_MaxSensorlessAuthority_Uls_f32	0.579999983	

Name	Input Value
k_MaxVehCntrOffDiff_HwDeg_f32	50.5999985
k_MinSensorlessAuthority_Uls_f32	0.49000001
k_TurnsCntrAuthority_Uls_f32	0.49000001
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1476.19995
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	783.5
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.579999983
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1064.90002
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	24
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-921.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	6075
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	310.5	310.5 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-59.1499634	-59.1500015 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	2	2	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-59.1499634	-59.1500015 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	783.5	783.5 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	783.5	783.5 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	269.209991	269.209991 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-59.1499634	-59.1500015 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2	2	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	783.5	783.5 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-921.5	-921.5 ± 0.0009	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.52 (Repeat Count = 1)	✓
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	7024.72998
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.50999999
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	114.300003
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.50999999
AbsHwPos_HwPosSource_Cnt_M_u16	480
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	320.100006
AbsHwPos_RelHwPos_HwDeg_M_f32	320.100006
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25377
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-5335.8501

Name	Input Value
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.50999999
AbsHwPos_TempHwPos_HwDeg_M_f32	1535.87
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-409.950012
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.5
k_HwPosOutputLPFError_HwDeg_f32	288.200012
k_I2CHwAuthority_Uls_f32	1
k_MaxSensorlessAuthority_Uls_f32	0.589999974
k_MaxVehCntrOffDiff_HwDeg_f32	80.3000031
k_MinSensorlessAuthority_Uls_f32	0.5
k_TurnsCntrAuthority_Uls_f32	0.5
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1505.90002
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	803.599976
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.589999974
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1085
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	28
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-901.799988
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	6199
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	320.100006	320.100006 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	1	1 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	465.843018	465.842987 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	2	2	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	465.843018	465.842987 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	803.599976	803.599976 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	1	1 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	803.599976	803.599976 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-409.950012	-409.950012 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	1	1 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	465.843018	465.842987 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2	2	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	803.599976	803.599976 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-901.799988	-901.799988 ± 0.0009	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✓

Test Step 2.53 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	7165.47021
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.519999981
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	126.699997
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.519999981
AbsHwPos_HwPosSource_Cnt_M_u16	488
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-507.799988
AbsHwPos_RelHwPos_HwDeg_M_f32	-507.799988
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25449
AbsHwPos_SrlComHwPos_HwDeg_M_f32	5476.58984
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.519999981
AbsHwPos_TempHwPos_HwDeg_M_f32	-1676.60999
AbsHwPos_VehCntrOffset_HwDeg_M_f32	550.690002
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.50999999
k_HwPosOutputLPFError_HwDeg_f32	317.899994
k_I2CHwAuthority_Uls_f32	0.479999989
k_MaxSensorlessAuthority_Uls_f32	0.600000024
k_MaxVehCntrOffDiff_HwDeg_f32	110
k_MinSensorlessAuthority_Uls_f32	0.50999999
k_TurnsCntrAuthority_Uls_f32	0.50999999
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1535.59998
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	823.700012
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.600000024
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1105.09998
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	32
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-882.099976
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	6323
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-507.799988	-507.799988 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.479999989	0.479999989 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	489.139954	489.140015 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	2	2	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	489.139954	489.140015 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	823.700012	823.700012 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.479999989	0.479999989 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	823.700012	823.700012 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	550.690002	550.690002 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.479999989	0.479999989 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	489.139954	489.140015 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2	2	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	823.700012	823.700012 ± 0.1	✔

Name	Actual Value	Expected Value	Result
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-882.099976	-882.099976 ± 0.0009	✔

Test Step Call Trace			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.54 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-7306.20996	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.529999971	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	139.100006	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.529999971	
AbsHwPos_HwPosSource_Cnt_M_u16	9496	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	389.200012	
AbsHwPos_RelHwPos_HwDeg_M_f32	389.200012	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25521	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	5617.33008	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.529999971	
AbsHwPos_TempHwPos_HwDeg_M_f32	1817.34998	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	691.429993	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.519999981	
k_HwPosOutputLPFError_HwDeg_f32	347.600006	
k_I2CHwAuthority_Uls_f32	0.519999981	
k_MaxSensorlessAuthority_Uls_f32	0.610000014	
k_MaxVehCntrOffDiff_HwDeg_f32	139.699997	
k_MinSensorlessAuthority_Uls_f32	0.519999981	
k_TurnsCntrAuthority_Uls_f32	0	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	1565.30005	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	843.799988	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.610000014	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1125.19995	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-862.400024	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	6447	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_AlignedHwPos_HwDeg_M_f32	389.200012	389.200012 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-4173.37207	-4173.37207 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1	1	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-4173.37207	-4173.37207 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-7997.64014	-7997.64014 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-7997.64014	-7997.64014 ± 0.1	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	691.429993	691.429993 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1	1	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.55 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	7446.9502
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.540000021
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	151.5
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.540000021
AbsHwPos_HwPosSource_Cnt_M_u16	504
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-468.399994
AbsHwPos_RelHwPos_HwDeg_M_f32	-468.399994
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25593
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-5758.06982
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.540000021
AbsHwPos_TempHwPos_HwDeg_M_f32	1958.08997
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-832.169983
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.529999971
k_HwPosOutputLPFError_HwDeg_f32	377.299988
k_I2CHwAuthority_Uls_f32	0.529999971
k_MaxSensorlessAuthority_Uls_f32	0.620000005
k_MaxVehCntrOffDiff_HwDeg_f32	169.399994
k_MinSensorlessAuthority_Uls_f32	0.529999971
k_TurnsCntrAuthority_Uls_f32	1
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1595
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	863.900024
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.620000005
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1145.30005
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-842.700012
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	6571
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-468.399994	-468.399994 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	1	1 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	4540.41504	4540.41504 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1	1	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	4540.41504	4540.41504 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8279.12012	8279.12012 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	1	1 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	8279.12012	8279.12012 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-832.169983	-832.169983 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1	1	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-842.700012	-842.700012 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.56 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	7587.68994	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.550000012	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	163.899994	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.550000012	
AbsHwPos_HwPosSource_Cnt_M_u16	512	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	784.099976	
AbsHwPos_RelHwPos_HwDeg_M_f32	7844.1001	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25665	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	5898.81006	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.550000012	
AbsHwPos_TempHwPos_HwDeg_M_f32	2098.83008	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	2521.05005	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.540000021	
k_HwPosOutputLPFError_HwDeg_f32	50.5999985	
k_I2CHwAuthority_Uls_f32	0.540000021	
k_MaxSensorlessAuthority_Uls_f32	0.629999995	
k_MaxVehCntrOffDiff_HwDeg_f32	199.100006	
k_MinSensorlessAuthority_Uls_f32	0.540000021	
k_TurnsCntrAuthority_Uls_f32	0.479999989	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	50.5999985	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	884	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.629999995	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1165.40002	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-823	

Name	Input Value
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	6695
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	7844.1001	7844.1001 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.479999989	0.479999989 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	2860.40674	2860.40698 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1	1	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	2860.40674	2860.40698 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	5066.63965	5066.64014 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.479999989	0.479999989 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	5066.63965	5066.64014 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	2521.05005	2521.05005 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.479999989	0.479999989 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1	1	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.57 (Repeat Count = 1)	✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-7728.43018
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.560000002
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	176.300003
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.560000002
AbsHwPos_HwPosSource_Cnt_M_u16	520
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	966.200012
AbsHwPos_RelHwPos_HwDeg_M_f32	9665.2002
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25737
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6039.5498
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.560000002
AbsHwPos_TempHwPos_HwDeg_M_f32	-2239.57007
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1261.79004
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.550000012
k_HwPosOutputLPFError_HwDeg_f32	80.3000031
k_I2CHwAuthority_Uls_f32	0.550000012

Name	Input Value
k_MaxSensorlessAuthority_Uls_f32	0.639999986
k_MaxVehCntrOffDiff_HwDeg_f32	228.800003
k_MinSensorlessAuthority_Uls_f32	0.550000012
k_TurnsCntrAuthority_Uls_f32	0.550000012
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	80.3000031
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	100.099998
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.639999986
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1185.5
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	48
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-803.299988
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	9665.2002	9665.2002 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.639999986	0.639999986 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	741.452026	741.452026 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	741.452026	741.452026 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1185.5	1185.5 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.639999986	0.639999986 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	1185.5	1185.5 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1261.79004	-1261.79004 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.639999986	0.639999986 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	741.452026	741.452026 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1185.5	1185.5 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-803.299988	-803.299988 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 2.58 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	7869.16992	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.569999993	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-941.200012	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.569999993	
AbsHwPos_HwPosSource_Cnt_M_u16	528	
AbsHwPos_HwPosState_Cnt_M_enum	5	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-409.299988	
AbsHwPos_RelHwPos_HwDeg_M_f32	-409.299988	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25809	

Name	Input Value
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6180.29004
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.569999993
AbsHwPos_TempHwPos_HwDeg_M_f32	2380.31006
AbsHwPos_VehCntrOffset_HwDeg_M_f32	2802.53003
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.560000002
k_HwPosOutputLPFError_HwDeg_f32	110
k_I2CHwAuthority_Uls_f32	0.560000002
k_MaxSensorlessAuthority_Uls_f32	0.649999976
k_MaxVehCntrOffDiff_HwDeg_f32	258.5
k_MinSensorlessAuthority_Uls_f32	0.560000002
k_TurnsCntrAuthority_Uls_f32	0.560000002
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	110
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	120.199997
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.649999976
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1205.59998
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	52
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-783.599976
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-409.299988	-409.299988 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	952.06073	952.06073 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	952.06073	952.06073 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	2380.31006	2380.31006 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	2802.53003	2802.53003 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	952.06073	952.06073 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-783.599976	-783.599976 ± 0.0009	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.59 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	8009.91016
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.579999983
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-921.5
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.579999983
AbsHwPos_HwPosSource_Cnt_M_u16	536
AbsHwPos_HwPosState_Cnt_M_enum	6
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	213
AbsHwPos_RelHwPos_HwDeg_M_f32	213
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25881
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-6321.02979
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.579999983
AbsHwPos_TempHwPos_HwDeg_M_f32	2521.05005
AbsHwPos_VehCntrOffset_HwDeg_M_f32	2943.27002
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.569999993
k_HwPosOutputLPFError_HwDeg_f32	139.699997
k_I2CHwAuthority_Uls_f32	0.569999993
k_MaxSensorlessAuthority_Uls_f32	0.660000026
k_MaxVehCntrOffDiff_HwDeg_f32	288.200012
k_MinSensorlessAuthority_Uls_f32	0.569999993
k_TurnsCntrAuthority_Uls_f32	0.569999993
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	139.699997
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	140.300003
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.660000026
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1225.69995
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	56
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-763.900024
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	7067
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	213	213 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.579999983	0.579999983 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1075.17896	1075.17896 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	536	536	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1075.17896	1075.17896 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25881	25881	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-6321.02979	-6321.02979 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.579999983	0.579999983 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	2521.05005	2521.05005 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	2943.27002	2943.27002 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.579999983	0.579999983 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1075.17896	1075.17896 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	536	536	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	25881	25881	✔

Name	Actual Value	Expected Value	Result
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-763.900024	-763.900024 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 2.60 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.589999974	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	324.5	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.589999974	
AbsHwPos_HwPosSource_Cnt_M_u16	544	
AbsHwPos_HwPosState_Cnt_M_enum	7	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-369.899994	
AbsHwPos_RelHwPos_HwDeg_M_f32	-369.899994	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25953	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6461.77002	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.589999974	
AbsHwPos_TempHwPos_HwDeg_M_f32	-2661.79004	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1084.01001	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.579999983	
k_HwPosOutputLPFError_HwDeg_f32	169.399994	
k_I2CHwAuthority_Uls_f32	0.579999983	
k_MaxSensorlessAuthority_Uls_f32	0.670000017	
k_MaxVehCntrOffDiff_HwDeg_f32	317.899994	
k_MinSensorlessAuthority_Uls_f32	0.579999983	
k_TurnsCntrAuthority_Uls_f32	0.579999983	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	169.399994	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	160.399994	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.670000017	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1245.80005	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	60	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-744.200012	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	7191	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-369.899994	-369.899994 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-1437.41101	-1437.41113 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1437.41101	-1437.41113 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_TempHwPos_HwDeg_M_f32	-2661.79004	-2661.79004 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1084.01001	-1084.01001 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1437.41101	-1437.41113 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 2.61 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	10125	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.600000024	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	471.600006	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.600000024	
AbsHwPos_HwPosSource_Cnt_M_u16	7552	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	120.199997	
AbsHwPos_RelHwPos_HwDeg_M_f32	120.199997	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26025	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6602.50977	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.600000024	
AbsHwPos_TempHwPos_HwDeg_M_f32	2802.53003	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3224.75	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.589999974	
k_HwPosOutputLPFError_HwDeg_f32	199.100006	
k_I2CHwAuthority_Uls_f32	0.589999974	
k_MaxSensorlessAuthority_Uls_f32	0.680000007	
k_MaxVehCntrOffDiff_HwDeg_f32	347.600006	
k_MinSensorlessAuthority_Uls_f32	0.589999974	
k_TurnsCntrAuthority_Uls_f32	0.589999974	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	199.100006	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	180.5	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.680000007	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1265.90002	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	64	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-724.5	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	7315	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	

Name	Input Value		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	120.199997	120.199997 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.0100000501	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1870.15796	1870.15796 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1870.15796	1870.15796 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6602.50977	6602.50977 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	2802.53003	2802.53003 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3224.75	3224.75 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.0100000501	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 2.62 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	0	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.610000014	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-488.100006	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.610000014	
AbsHwPos_HwPosSource_Cnt_M_u16	560	
AbsHwPos_HwPosState_Cnt_M_enum	9	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	140.300003	
AbsHwPos_RelHwPos_HwDeg_M_f32	140.300003	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26097	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-6743.25	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.610000014	
AbsHwPos_TempHwPos_HwDeg_M_f32	2943.27002	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3365.48999	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.600000024	
k_HwPosOutputLPFError_HwDeg_f32	228.800003	
k_I2CHwAuthority_Uls_f32	0.600000024	
k_MaxSensorlessAuthority_Uls_f32	0.689999998	
k_MaxVehCntrOffDiff_HwDeg_f32	377.299988	
k_MinSensorlessAuthority_Uls_f32	0.600000024	
k_TurnsCntrAuthority_Uls_f32	0.600000024	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	228.800003	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	200.600006	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.689999998	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1286	

Name	Input Value
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	68
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1872.09998
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	7439
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	140.300003	140.300003 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1605.03577	1605.03564 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1605.03577	1605.03564 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	2943.27002	2943.27002 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3365.48999	3365.48999 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.63 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	8572.87012
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.620000005
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	765.799988
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.620000005
AbsHwPos_HwPosSource_Cnt_M_u16	568
AbsHwPos_HwPosState_Cnt_M_enum	10
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	160.399994
AbsHwPos_RelHwPos_HwDeg_M_f32	160.399994
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26169
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6883.99023
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.620000005
AbsHwPos_TempHwPos_HwDeg_M_f32	-3084.01001
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1506.22998
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.610000014

Name	Input Value
k_HwPosOutputLPFError_HwDeg_f32	258.5
k_I2CHwAuthority_Uls_f32	0.610000014
k_MaxSensorlessAuthority_Uls_f32	0.699999988
k_MaxVehCntrOffDiff_HwDeg_f32	407
k_MinSensorlessAuthority_Uls_f32	0.610000014
k_TurnsCntrAuthority_Uls_f32	0.610000014
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	258.5
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	220.699997
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.699999988
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1306.09998
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	72
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1902.30005
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	7563
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_C	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	160.399994	160.399994 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.620000005	0.620000005 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-1621.08228	-1621.08215 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	568	568	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1621.08228	-1621.08215 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26169	26169	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6883.99023	6883.99023 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.620000005	0.620000005 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-3084.01001	-3084.01001 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1506.22998	-1506.22998 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.620000005	0.620000005 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	568	568	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	26169	26169	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.64 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-8713.61035
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.629999995
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	912.900024
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.629999995
AbsHwPos_HwPosSource_Cnt_M_u16	576

Name	Input Value
AbsHwPos_HwPosState_Cnt_M_enum	11
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	180.5
AbsHwPos_RelHwPos_HwDeg_M_f32	180.5
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26241
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7024.72998
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.629999995
AbsHwPos_TempHwPos_HwDeg_M_f32	3224.75
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3646.96997
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.620000005
k_HwPosOutputLPFError_HwDeg_f32	288.200012
k_I2CHwAuthority_Uls_f32	0.620000005
k_MaxSensorlessAuthority_Uls_f32	0.709999979
k_MaxVehCntrOffDiff_HwDeg_f32	436.700012
k_MinSensorlessAuthority_Uls_f32	0.620000005
k_TurnsCntrAuthority_Uls_f32	0.620000005
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	288.200012
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	240.800003
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.709999979
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1326.19995
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	76
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1932.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	7687
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_C	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	180.5	180.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	2369.36572	2369.36548 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	2369.36572	2369.36548 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	3224.75	3224.75 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3646.96997	3646.96997 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1932.5	1932.5 ± 0.009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.65 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-9558.0498
AbsHwPos_HandwheelAuthority_Uls_M_f32	0
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-429
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.689999998
AbsHwPos_HwPosSource_Cnt_M_u16	624
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	301.100006
AbsHwPos_RelHwPos_HwDeg_M_f32	301.100006
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26313
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1889.09998
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.689999998
AbsHwPos_TempHwPos_HwDeg_M_f32	4069.18994
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4491.41016
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.680000007
k_HwPosOutputLPFError_HwDeg_f32	466.399994
k_I2CHwAuthority_Uls_f32	0.680000007
k_MaxSensorlessAuthority_Uls_f32	0.769999981
k_MaxVehCntrOffDiff_HwDeg_f32	614.900024
k_MinSensorlessAuthority_Uls_f32	0.680000007
k_TurnsCntrAuthority_Uls_f32	0.680000007
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	466.399994
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	461.899994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.769999981
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1446.80005
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2113.69995
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	8431
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	301.100006	301.100006 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	2674.75098	2674.75122 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	2674.75098	2674.75122 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	4069.18994	4069.18994 ± 0.1	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4491.41016	4491.41016 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2113.69995	2113.69995 ± 0.009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.66 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	9698.79004
AbsHwPos_HandwheelAuthority_Uls_M_f32	1
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	147.300003
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.699999988
AbsHwPos_HwPosSource_Cnt_M_u16	632
AbsHwPos_HwPosState_Cnt_M_enum	5
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	321.26001
AbsHwPos_RelHwPos_HwDeg_M_f32	3421.26001
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26385
AbsHwPos_SrlComHwPos_HwDeg_M_f32	909.380005
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.699999988
AbsHwPos_TempHwPos_HwDeg_M_f32	4209.93018
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4632.1499
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.689999998
k_HwPosOutputLPFError_HwDeg_f32	496.100006
k_I2CHwAuthority_Uls_f32	0.689999998
k_MaxSensorlessAuthority_Uls_f32	0.779999971
k_MaxVehCntrOffDiff_HwDeg_f32	644.599976
k_MinSensorlessAuthority_Uls_f32	0.689999998
k_TurnsCntrAuthority_Uls_f32	0.689999998
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	496.100006
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	482
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.779999971
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1466.90002
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	104
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2143.8999
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	8555
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32

Name	Input Value		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	3421.26001	3421.26001 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.699999988	0.699999988 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	2991.14111	2991.14111 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	632	632	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	2991.14111	2991.14111 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26385	26385	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	909.380005	909.380005 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.699999988	0.699999988 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	4209.93018	4209.93018 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4632.1499	4632.1499 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.699999988	0.699999988 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	632	632	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	26385	26385	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	909.380005	909.380005 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2143.8999	2143.8999 ± 0.009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.67 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-9839.53027	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.709999979	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	156.899994	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.709999979	
AbsHwPos_HwPosSource_Cnt_M_u16	640	
AbsHwPos_HwPosState_Cnt_M_enum	6	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	341.540009	
AbsHwPos_RelHwPos_HwDeg_M_f32	341.540009	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26457	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	929.659973	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.709999979	
AbsHwPos_TempHwPos_HwDeg_M_f32	-4350.66992	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1572.89001	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.699999988	
k_HwPosOutputLPFError_HwDeg_f32	525.799988	
k_I2CHwAuthority_Uls_f32	0.699999988	
k_MaxSensorlessAuthority_Uls_f32	0.790000021	
k_MaxVehCntrOffDiff_HwDeg_f32	674.299988	
k_MinSensorlessAuthority_Uls_f32	0.699999988	
k_TurnsCntrAuthority_Uls_f32	0.699999988	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	525.799988	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	502.100006	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.790000021	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1487	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	108	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2174.1001	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	8679	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4	

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	341.540009	341.540009 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-3043.47461	-3043.47461 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-3043.47461	-3043.47461 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-4350.66992	-4350.66992 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1572.89001	-1572.89001 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.68 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	9980.26953
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.720000029
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	166.5
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.720000029
AbsHwPos_HwPosSource_Cnt_M_u16	1
AbsHwPos_HwPosState_Cnt_M_enum	7
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	361.820007
AbsHwPos_RelHwPos_HwDeg_M_f32	361.820007
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26529
AbsHwPos_SrlComHwPos_HwDeg_M_f32	949.940002
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.720000029
AbsHwPos_TempHwPos_HwDeg_M_f32	4491.41016
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4913.62988
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.709999979
k_HwPosOutputLPFError_HwDeg_f32	555.5
k_I2CHwAuthority_Uls_f32	0.709999979
k_MaxSensorlessAuthority_Uls_f32	0.800000012
k_MaxVehCntrOffDiff_HwDeg_f32	704

Name	Input Value
k_MinSensorlessAuthority_Uls_f32	0.709999979
k_TurnsCntrAuthority_Uls_f32	0.709999979
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	555.5
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	522.200012
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.800000012
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1507.09998
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	112
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2204.30005
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	8803
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	361.820007	361.820007 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.720000029	0.720000029 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	3280.43555	3280.4353 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1	1	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	3280.43555	3280.4353 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26529	26529	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	949.940002	949.940002 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.720000029	0.720000029 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	4491.41016	4491.41016 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4913.62988	4913.62988 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.720000029	0.720000029 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1	1	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	26529	26529	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	949.940002	949.940002 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2204.30005	2204.30005 ± 0.009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.69 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	9874.30957
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.730000019
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	176.100006
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.730000019
AbsHwPos_HwPosSource_Cnt_M_u16	65534
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	382.100006
AbsHwPos_RelHwPos_HwDeg_M_f32	382.100006
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26601
AbsHwPos_SrlComHwPos_HwDeg_M_f32	970.219971
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.730000019

Name	Input Value
AbsHwPos_TempHwPos_HwDeg_M_f32	4632.1499
AbsHwPos_VehCntrOffset_HwDeg_M_f32	5054.37012
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.720000029
k_HwPosOutputLPFError_HwDeg_f32	585.200012
k_I2CHwAuthority_Uls_f32	0.720000029
k_MaxSensorlessAuthority_Uls_f32	0.810000002
k_MaxVehCntrOffDiff_HwDeg_f32	733.700012
k_MinSensorlessAuthority_Uls_f32	0.720000029
k_TurnsCntrAuthority_Uls_f32	0.720000029
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	585.200012
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	542.299988
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.810000002
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1527.19995
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	116
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2234.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	8927
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	382.100006	382.100006 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	3429.0166	3429.0166 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	3429.0166	3429.0166 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	4632.1499	4632.1499 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	5054.37012	5054.37012 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.70 (Repeat Count = 1)	✔
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-9768.34961
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.74000001
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	185.699997
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.74000001
AbsHwPos_HwPosSource_Cnt_M_u16	1024
AbsHwPos_HwPosState_Cnt_M_enum	9
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	402.380005
AbsHwPos_RelHwPos_HwDeg_M_f32	402.380005
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26673
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-990.5
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.74000001
AbsHwPos_TempHwPos_HwDeg_M_f32	-4772.89014
AbsHwPos_VehCntrOffset_HwDeg_M_f32	5195.10986
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.730000019
k_HwPosOutputLPFError_HwDeg_f32	614.900024
k_I2CHwAuthority_Uls_f32	0.730000019
k_MaxSensorlessAuthority_Uls_f32	0.819999993
k_MaxVehCntrOffDiff_HwDeg_f32	763.400024
k_MinSensorlessAuthority_Uls_f32	0.730000019
k_TurnsCntrAuthority_Uls_f32	0.730000019
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	614.900024
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-330.5
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.819999993
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1547.30005
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	120
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2264.69995
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9051
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_AlignedHwPos_HwDeg_M_f32	402.380005	402.380005 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.74000001	0.74000001 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-3483.65698	-3483.65649 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1024	1024	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-3483.65698	-3483.65649 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26673	26673	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-990.5	-990.5 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.74000001	0.74000001 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-4772.89014	-4772.89014 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	5195.10986	5195.10986 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.74000001	0.74000001 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1024	1024	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	26673	26673	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-990.5	-990.5 ± 0.1	✔

Name	Actual Value	Expected Value	Result
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2264.69995	2264.69995 ± 0.009	✔

Test Step Call Trace			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.71 (Repeat Count = 1)	✔
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	9662.38965
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.75
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	195.300003
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.75
AbsHwPos_HwPosSource_Cnt_M_u16	1236
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	422.660004
AbsHwPos_RelHwPos_HwDeg_M_f32	422.660004
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26745
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1010.78003
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.75
AbsHwPos_TempHwPos_HwDeg_M_f32	4913.62988
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8284.88965
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.74000001
k_HwPosOutputLPFError_HwDeg_f32	644.599976
k_I2CHwAuthority_Uls_f32	0.74000001
k_MaxSensorlessAuthority_Uls_f32	0.829999983
k_MaxVehCntrOffDiff_HwDeg_f32	793.099976
k_MinSensorlessAuthority_Uls_f32	0.74000001
k_TurnsCntrAuthority_Uls_f32	0.74000001
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	644.599976
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-310.799988
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.829999983
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1567.40002
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	124
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2294.8999
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9175
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	422.660004	422.660004 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.75	0.75 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	3734.04761	3734.04761 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1236	1236	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	3734.04761	3734.04761 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1010.78003	1010.78003 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.75	0.75 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	4913.62988	4913.62988 ± 0.1	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8284.88965	8284.88965 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.75	0.75 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1236	1236	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1010.78003	1010.78003 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2294.8999	2294.8999 ± 0.009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.72 (Repeat Count = 1)		✔
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	9556.42969
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.75999999
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	204.899994
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.75999999
AbsHwPos_HwPosSource_Cnt_M_u16	1348
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	442.940002
AbsHwPos_RelHwPos_HwDeg_M_f32	442.940002
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26817
AbsHwPos_SrlComHwPos_HwDeg_M_f32	123.400002
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.75999999
AbsHwPos_TempHwPos_HwDeg_M_f32	5054.37012
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8178.93018
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.75
k_HwPosOutputLPFError_HwDeg_f32	674.299988
k_I2CHwAuthority_Uls_f32	0.75
k_MaxSensorlessAuthority_Uls_f32	0.839999974
k_MaxVehCntrOffDiff_HwDeg_f32	822.799988
k_MinSensorlessAuthority_Uls_f32	0.75
k_TurnsCntrAuthority_Uls_f32	0.75
k_UseTurnsCntr_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	674.299988
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-291.100006
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.839999974
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1587.5
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	128
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2325.1001
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9299
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	442.940002	442.940002 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.75999999	0.75999999 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	3890.49731	3890.49731 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	1348	1348	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	3890.49731	3890.49731 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26817	26817	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	123.400002	123.400002 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.75999999	0.75999999 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	5054.37012	5054.37012 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8178.93018	8178.93018 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.75999999	0.75999999 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1348	1348	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	26817	26817	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	123.400002	123.400002 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2325.1001	2325.1001 ± 0.009	✓

Test Step Call Trace   ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.73 (Repeat Count = 1)   ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-9450.46973
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.769999981
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	214.5
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.769999981
AbsHwPos_HwPosSource_Cnt_M_u16	1460
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	463.220001
AbsHwPos_RelHwPos_HwDeg_M_f32	463.220001
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26889
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-248.300003
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.769999981
AbsHwPos_TempHwPos_HwDeg_M_f32	5195.10986
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1072.96997
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.75999999
k_HwPosOutputLPFError_HwDeg_f32	704
k_I2CHwAuthority_Uls_f32	0.75999999
k_MaxSensorlessAuthority_Uls_f32	0.850000024
k_MaxVehCntrOffDiff_HwDeg_f32	852.5
k_MinSensorlessAuthority_Uls_f32	0.75999999
k_TurnsCntrAuthority_Uls_f32	0.75999999
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	704
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-271.399994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.850000024
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-1000.29999
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	132
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2355.30005
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9423
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	463.220001	463.220001 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	4049.56958	4049.56958 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	4049.56958	4049.56958 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-248.300003	-248.300003 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	5195.10986	5195.10986 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1072.96997	-1072.96997 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-248.300003	-248.300003 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.74 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	9662.38965	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.75	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	195.300003	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.75	
AbsHwPos_HwPosSource_Cnt_M_u16	1236	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	422.660004	
AbsHwPos_RelHwPos_HwDeg_M_f32	422.660004	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26745	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1010.78003	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.75	
AbsHwPos_TempHwPos_HwDeg_M_f32	4913.62988	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8284.88965	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.74000001	
k_HwPosOutputLPFError_HwDeg_f32	644.599976	
k_I2CHwAuthority_Uls_f32	0.74000001	
k_MaxSensorlessAuthority_Uls_f32	0.829999983	
k_MaxVehCntrOffDiff_HwDeg_f32	793.099976	

Name	Input Value
k_MinSensorlessAuthority_Uls_f32	0.74000001
k_TurnsCntrAuthority_Uls_f32	0.74000001
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	644.599976
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-310.799988
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.829999983
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1567.40002
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	124
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2294.8999
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9175
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	422.660004	422.660004 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.829999983	0.829999983 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1224.375	1224.375 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1224.375	1224.375 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1567.40002	1567.40002 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.829999983	0.829999983 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	1567.40002	1567.40002 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.829999983	0.829999983 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1224.375	1224.375 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1567.40002	1567.40002 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2294.8999	2294.8999 ± 0.009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.75 (Repeat Count = 1)	✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	9344.5
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.779999971
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	224.100006
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.779999971
AbsHwPos_HwPosSource_Cnt_M_u16	1572
AbsHwPos_HwPosState_Cnt_M_enum	13
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-11725
AbsHwPos_RelHwPos_HwDeg_M_f32	-600
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26961

Name	Input Value
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1395.13
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.779999971
AbsHwPos_TempHwPos_HwDeg_M_f32	-5335.8501
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7967.00977
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.769999981
k_HwPosOutputLPFError_HwDeg_f32	733.700012
k_I2CHwAuthority_Uls_f32	0.769999981
k_MaxSensorlessAuthority_Uls_f32	0.860000014
k_MaxVehCntrOffDiff_HwDeg_f32	882.200012
k_MinSensorlessAuthority_Uls_f32	0.769999981
k_TurnsCntrAuthority_Uls_f32	0.769999981
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	733.700012
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-251.699997
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.860000014
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-980.599976
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	136
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2385.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9547
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-600	-600 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.779999971	0.779999971 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-4112.66113	-4112.66113 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1572	1572	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-4112.66113	-4112.66113 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26961	26961	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1395.13	1395.13 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.779999971	0.779999971 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-5335.8501	-5335.8501 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7967.00977	7967.00977 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.779999971	0.779999971 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1572	1572	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	26961	26961	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1395.13	1395.13 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2385.5	2385.5 ± 0.009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.76 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	9238.54004
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.790000021
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-389.600006
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.790000021
AbsHwPos_HwPosSource_Cnt_M_u16	1684
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	11725
AbsHwPos_RelHwPos_HwDeg_M_f32	6008
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27033
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1535.87
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.790000021
AbsHwPos_TempHwPos_HwDeg_M_f32	5476.58984
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7861.0498
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.779999971
k_HwPosOutputLPFError_HwDeg_f32	763.400024
k_I2CHwAuthority_Uls_f32	0.779999971
k_MaxSensorlessAuthority_Uls_f32	0.870000005
k_MaxVehCntrOffDiff_HwDeg_f32	911.900024
k_MinSensorlessAuthority_Uls_f32	0.779999971
k_TurnsCntrAuthority_Uls_f32	0.779999971
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	763.400024
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-232
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.870000005
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-960.900024
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	140
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2415.69995
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9671
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	6008	6008 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.0100000501	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	4244.68994	4244.68994 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	4244.68994	4244.68994 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	5476.58984	5476.58984 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7861.0498	7861.0498 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.0100000501	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

Name	Actual Value	Expected Value	Result
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.77 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-9132.58008
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.800000012
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	243.300003
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.800000012
AbsHwPos_HwPosSource_Cnt_M_u16	1796
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	0
AbsHwPos_RelHwPos_HwDeg_M_f32	7150
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27105
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-1676.60999
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.800000012
AbsHwPos_TempHwPos_HwDeg_M_f32	5617.33008
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1455.08997
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.790000021
k_HwPosOutputLPFError_HwDeg_f32	793.099976
k_I2CHwAuthority_Uls_f32	0.790000021
k_MaxSensorlessAuthority_Uls_f32	0.879999995
k_MaxVehCntrOffDiff_HwDeg_f32	941.599976
k_MinSensorlessAuthority_Uls_f32	0.790000021
k_TurnsCntrAuthority_Uls_f32	0.790000021
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	793.099976
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-212.300003
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.879999995
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-941.200012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	144
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2445.8999
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9795
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	7150	7150 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.800000012	0.800000012 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	4542.52393	4542.52393 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1796	1796	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	4542.52393	4542.52393 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-1676.60999	-1676.60999 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.800000012	0.800000012 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	5617.33008	5617.33008 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1455.08997	-1455.08997 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.800000012	0.800000012 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1796	1796	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2445.8999	2445.8999 ± 0.009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.78 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	9026.62012	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.810000002	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	252.899994	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.810000002	
AbsHwPos_HwPosSource_Cnt_M_u16	1908	
AbsHwPos_HwPosState_Cnt_M_enum	3	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	544.340027	
AbsHwPos_RelHwPos_HwDeg_M_f32	544.340027	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27177	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1817.34998	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.810000002	
AbsHwPos_TempHwPos_HwDeg_M_f32	-5758.06982	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7649.14014	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.800000012	
k_HwPosOutputLPFError_HwDeg_f32	822.799988	
k_I2CHwAuthority_Uls_f32	0.800000012	
k_MaxSensorlessAuthority_Uls_f32	0.889999986	
k_MaxVehCntrOffDiff_HwDeg_f32	971.299988	
k_MinSensorlessAuthority_Uls_f32	0.800000012	
k_TurnsCntrAuthority_Uls_f32	0.800000012	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	822.799988	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-192.600006	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.889999986	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-921.5	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	148	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2476.1001	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9919	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	

Name	Input Value		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	544.340027	544.340027 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-4615.98535	-4615.98584 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-4615.98535	-4615.98584 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-5758.06982	-5758.06982 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7649.14014	7649.14014 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2476.1001	2476.1001 ± 0.009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 2.79 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	8920.66016	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.819999993	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	262.5	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.819999993	
AbsHwPos_HwPosSource_Cnt_M_u16	2020	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-564.619995	
AbsHwPos_RelHwPos_HwDeg_M_f32	-564.619995	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27249	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1958.08997	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.819999993	
AbsHwPos_TempHwPos_HwDeg_M_f32	5898.81006	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7543.18018	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.810000002	
k_HwPosOutputLPFError_HwDeg_f32	852.5	
k_I2CHwAuthority_Uls_f32	0.810000002	
k_MaxSensorlessAuthority_Uls_f32	0.899999976	
k_MaxVehCntrOffDiff_HwDeg_f32	1001	
k_MinSensorlessAuthority_Uls_f32	0.810000002	
k_TurnsCntrAuthority_Uls_f32	0.810000002	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	852.5	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-172.899994	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.899999976	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-901.799988	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	152	

Name	Input Value
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2506.30005
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	10043
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-564.619995	-564.619995 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.899999976	0.899999976 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-901.799988	-901.799988 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-901.799988	-901.799988 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-901.799988	-901.799988 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.899999976	0.899999976 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-901.799988	-901.799988 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7543.18018	7543.18018 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.899999976	0.899999976 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-901.799988	-901.799988 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-901.799988	-901.799988 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2506.30005	2506.30005 ± 0.009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.80 (Repeat Count = 1)	✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	8814.7002
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.829999983
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	272.100006
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.829999983
AbsHwPos_HwPosSource_Cnt_M_u16	2132
AbsHwPos_HwPosState_Cnt_M_enum	5
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	584.900024
AbsHwPos_RelHwPos_HwDeg_M_f32	-10125
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27321
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2098.83008
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.829999983
AbsHwPos_TempHwPos_HwDeg_M_f32	6039.5498
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1437.21997
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.819999993
k_HwPosOutputLPFError_HwDeg_f32	882.200012
k_I2CHwAuthority_Uls_f32	0.819999993
k_MaxSensorlessAuthority_Uls_f32	0.910000026
k_MaxVehCntrOffDiff_HwDeg_f32	1030.69995

Name	Input Value
k_MinSensorlessAuthority_Uls_f32	0.819999993
k_TurnsCntrAuthority_Uls_f32	0.819999993
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	882.200012
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	461.899994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.910000026
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-882.099976
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	156
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2536.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	10167
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-10125	-10125 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	5059.0835	5059.0835 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	5059.0835	5059.0835 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	6039.5498	6039.5498 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1437.21997	-1437.21997 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.81 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-8708.74023
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.839999974
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	281.700012
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.839999974
AbsHwPos_HwPosSource_Cnt_M_u16	2244
AbsHwPos_HwPosState_Cnt_M_enum	6
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	605.179993
AbsHwPos_RelHwPos_HwDeg_M_f32	10125

Name	Input Value
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27393
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-2239.57007
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.839999974
AbsHwPos_TempHwPos_HwDeg_M_f32	6180.29004
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7331.25977
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.829999983
k_HwPosOutputLPFError_HwDeg_f32	911.900024
k_I2CHwAuthority_Uls_f32	0.829999983
k_MaxSensorlessAuthority_Uls_f32	0.920000017
k_MaxVehCntrOffDiff_HwDeg_f32	1060.40002
k_MinSensorlessAuthority_Uls_f32	0.829999983
k_TurnsCntrAuthority_Uls_f32	0.829999983
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	911.900024
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	482
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.920000017
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-862.400024
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	160
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2566.69995
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	10291
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	10125	10125 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.839999974	0.839999974 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	5236.51563	5236.51563 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	2244	2244	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	5236.51563	5236.51563 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27393	27393	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-2239.57007	-2239.57007 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.839999974	0.839999974 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	6180.29004	6180.29004 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7331.25977	7331.25977 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.839999974	0.839999974 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2244	2244	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	27393	27393	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2566.69995	2566.69995 ± 0.009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.82 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	8602.78027
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.850000024
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-350.200012
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.850000024
AbsHwPos_HwPosSource_Cnt_M_u16	2356
AbsHwPos_HwPosState_Cnt_M_enum	7
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	625.460022
AbsHwPos_RelHwPos_HwDeg_M_f32	0
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27465
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2380.31006
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.850000024
AbsHwPos_TempHwPos_HwDeg_M_f32	-6321.02979
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7225.2998
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.839999974
k_HwPosOutputLPFError_HwDeg_f32	941.599976
k_I2CHwAuthority_Uls_f32	0.839999974
k_MaxSensorlessAuthority_Uls_f32	0.930000007
k_MaxVehCntrOffDiff_HwDeg_f32	1090.09998
k_MinSensorlessAuthority_Uls_f32	0.839999974
k_TurnsCntrAuthority_Uls_f32	0.839999974
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	941.599976
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	502.100006
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.930000007
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-842.700012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	164
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2596.8999
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	10415
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	0	0 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.0100000501	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-5425.40527	-5425.40527 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-5425.40527	-5425.40527 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-6321.02979	-6321.02979 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7225.2998	7225.2998 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.0100000501	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

Name	Actual Value	Expected Value	Result
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 2.83 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	8496.82031	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.860000014	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	300.899994	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.860000014	
AbsHwPos_HwPosSource_Cnt_M_u16	2468	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	645.73999	
AbsHwPos_RelHwPos_HwDeg_M_f32	645.73999	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27537	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2521.05005	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.860000014	
AbsHwPos_TempHwPos_HwDeg_M_f32	6461.77002	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1119.32996	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.850000024	
k_HwPosOutputLPFError_HwDeg_f32	1060.40002	
k_I2CHwAuthority_Uls_f32	0.850000024	
k_MaxSensorlessAuthority_Uls_f32	0.939999998	
k_MaxVehCntrOffDiff_HwDeg_f32	1119.80005	
k_MinSensorlessAuthority_Uls_f32	0.850000024	
k_TurnsCntrAuthority_Uls_f32	0.850000024	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	971.299988	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	522.200012	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.939999998	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-823	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	168	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-488.100006	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	10539	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	645.73999	645.73999 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	5599.24854	5599.24805 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	5599.24854	5599.24805 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2521.05005	2521.05005 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	6461.77002	6461.77002 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1119.32996	-1119.32996 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-488.100006	-488.100006 ± 0.0009	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.84 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-8390.86035	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.870000005	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	310.5	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.870000005	
AbsHwPos_HwPosSource_Cnt_M_u16	2580	
AbsHwPos_HwPosState_Cnt_M_enum	9	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-666.02002	
AbsHwPos_RelHwPos_HwDeg_M_f32	-666.02002	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27609	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-2661.79004	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.870000005	
AbsHwPos_TempHwPos_HwDeg_M_f32	6602.50977	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7013.37988	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.860000014	
k_HwPosOutputLPFError_HwDeg_f32	1090.09998	
k_I2CHwAuthority_Uls_f32	0.860000014	
k_MaxSensorlessAuthority_Uls_f32	0.949999988	
k_MaxVehCntrOffDiff_HwDeg_f32	1149.5	
k_MinSensorlessAuthority_Uls_f32	0.860000014	
k_TurnsCntrAuthority_Uls_f32	0.860000014	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	1001	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	542.299988	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.949999988	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-803.299988	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	172	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-468.399994	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	10663	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_C	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	

Name	Input Value		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-666.02002	-666.02002 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	5784.54834	5784.54883 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	5784.54834	5784.54883 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	6602.50977	6602.50977 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7013.37988	7013.37988 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-468.399994	-468.399994 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 2.85 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	8284.88965	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.879999995	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	320.100006	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.879999995	
AbsHwPos_HwPosSource_Cnt_M_u16	2692	
AbsHwPos_HwPosState_Cnt_M_enum	10	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	686.299988	
AbsHwPos_RelHwPos_HwDeg_M_f32	686.299988	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27681	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-11725	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.879999995	
AbsHwPos_TempHwPos_HwDeg_M_f32	-6743.25	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6907.41992	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.870000005	
k_HwPosOutputLPFError_HwDeg_f32	1119.80005	
k_I2CHwAuthority_Uls_f32	0.870000005	
k_MaxSensorlessAuthority_Uls_f32	0.959999979	
k_MaxVehCntrOffDiff_HwDeg_f32	1179.19995	
k_MinSensorlessAuthority_Uls_f32	0.870000005	
k_TurnsCntrAuthority_Uls_f32	0.870000005	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	1030.69995	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	562.400024	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.959999979	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-783.599976	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	176	

Name	Input Value
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-448.700012
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	10787
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	686.299988	686.299988 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.879999995	0.879999995 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-5895.64795	-5895.64795 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	2692	2692	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-5895.64795	-5895.64795 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27681	27681	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-11725	-11725 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.879999995	0.879999995 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-6743.25	-6743.25 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6907.41992	6907.41992 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.879999995	0.879999995 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2692	2692	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	27681	27681	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-448.700012	-448.700012 ± 0.0009	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.86 (Repeat Count = 1)   ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	8178.93018
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.889999986
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-507.799988
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.889999986
AbsHwPos_HwPosSource_Cnt_M_u16	2804
AbsHwPos_HwPosState_Cnt_M_enum	11
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	706.580017
AbsHwPos_RelHwPos_HwDeg_M_f32	706.580017
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27753
AbsHwPos_SrlComHwPos_HwDeg_M_f32	11725
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.889999986
AbsHwPos_TempHwPos_HwDeg_M_f32	6883.99023
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6801.45996
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.879999995
k_HwPosOutputLPFError_HwDeg_f32	1149.5
k_I2CHwAuthority_Uls_f32	0.879999995
k_MaxSensorlessAuthority_Uls_f32	0.970000029
k_MaxVehCntrOffDiff_HwDeg_f32	1208.90002

Name	Input Value
k_MinSensorlessAuthority_Uls_f32	0.879999995
k_TurnsCntrAuthority_Uls_f32	0.879999995
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1060.40002
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	582.5
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.970000029
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-763.900024
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	180
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-429
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	10911
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	706.580017	706.580017 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	6070.89307	6070.89307 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	6070.89307	6070.89307 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	6883.99023	6883.99023 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6801.45996	6801.45996 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.87 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-8072.97021
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.899999976
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	389.200012
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.899999976
AbsHwPos_HwPosSource_Cnt_M_u16	2916
AbsHwPos_HwPosState_Cnt_M_enum	12
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-726.859985
AbsHwPos_RelHwPos_HwDeg_M_f32	-726.859985

Name	Input Value
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27825
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.899999976
AbsHwPos_TempHwPos_HwDeg_M_f32	7024.72998
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6695.5
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.889999986
k_HwPosOutputLPFError_HwDeg_f32	1179.19995
k_I2CHwAuthority_Uls_f32	0.889999986
k_MaxSensorlessAuthority_Uls_f32	0.980000019
k_MaxVehCntrOffDiff_HwDeg_f32	1238.59998
k_MinSensorlessAuthority_Uls_f32	0.889999986
k_TurnsCntrAuthority_Uls_f32	0.889999986
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1090.09998
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	602.599976
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.980000019
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-744.200012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	184
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-409.299988
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	11035
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-726.859985	-726.859985 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.899999976	0.899999976 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	6361.17676	6361.17676 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	2916	2916	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	6361.17676	6361.17676 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27825	27825	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.899999976	0.899999976 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	7024.72998	7024.72998 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6695.5	6695.5 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.899999976	0.899999976 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2916	2916	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	27825	27825	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-409.299988	-409.299988 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.88 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	7967.00977
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.910000026
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-468.399994
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.910000026
AbsHwPos_HwPosSource_Cnt_M_u16	3028
AbsHwPos_HwPosState_Cnt_M_enum	13
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	747.140015
AbsHwPos_RelHwPos_HwDeg_M_f32	747.140015
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27897
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2943.27002
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.910000026
AbsHwPos_TempHwPos_HwDeg_M_f32	7165.47021
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1589.54004
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.899999976
k_HwPosOutputLPFError_HwDeg_f32	1208.90002
k_I2CHwAuthority_Uls_f32	0.899999976
k_MaxSensorlessAuthority_Uls_f32	0.99000001
k_MaxVehCntrOffDiff_HwDeg_f32	1268.30005
k_MinSensorlessAuthority_Uls_f32	0.899999976
k_TurnsCntrAuthority_Uls_f32	0.899999976
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1119.80005
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	622.700012
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.99000001
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-724.5
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	188
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-389.600006
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	11159
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	747.140015	747.140015 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.0100000501	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	6478.42188	6478.42188 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	6478.42188	6478.42188 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	7165.47021	7165.47021 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1589.54004	-1589.54004 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.0100000501	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

Name	Actual Value	Expected Value	Result
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 2.89 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	7861.0498	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.920000017	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	784.099976	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.920000017	
AbsHwPos_HwPosSource_Cnt_M_u16	3140	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	767.419983	
AbsHwPos_RelHwPos_HwDeg_M_f32	767.419983	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27969	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-3084.01001	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.920000017	
AbsHwPos_TempHwPos_HwDeg_M_f32	-7306.20996	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6483.58008	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.910000026	
k_HwPosOutputLPFError_HwDeg_f32	1238.59998	
k_I2CHwAuthority_Uls_f32	0.910000026	
k_MaxSensorlessAuthority_Uls_f32	0.100000001	
k_MaxVehCntrOffDiff_HwDeg_f32	1298	
k_MinSensorlessAuthority_Uls_f32	0.910000026	
k_TurnsCntrAuthority_Uls_f32	0.910000026	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	1149.5	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	642.799988	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.100000001	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-704.799988	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	192	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-369.899994	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	11283	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	

Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_AlignedHwPos_HwDeg_M_f32	767.419983	767.419983 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.920000017	0.920000017 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-6658.98535	-6658.98535 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3140	3140	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-6658.98535	-6658.98535 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	27969	27969	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-3084.01001	-3084.01001 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.920000017	0.920000017 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-7306.20996	-7306.20996 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6483.58008	6483.58008 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.920000017	0.920000017 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3140	3140	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	27969	27969	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-369.899994	-369.899994 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.90 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-7755.08984	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.930000007	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	966.200012	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.930000007	
AbsHwPos_HwPosSource_Cnt_M_u16	3252	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	787.700012	
AbsHwPos_RelHwPos_HwDeg_M_f32	787.700012	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2802.53003	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.930000007	
AbsHwPos_TempHwPos_HwDeg_M_f32	5828.25977	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6377.62012	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.920000017	
k_HwPosOutputLPFError_HwDeg_f32	1268.30005	
k_I2CHwAuthority_Uls_f32	0.920000017	
k_MaxSensorlessAuthority_Uls_f32	0.109999999	
k_MaxVehCntrOffDiff_HwDeg_f32	1327.69995	
k_MinSensorlessAuthority_Uls_f32	0.920000017	
k_TurnsCntrAuthority_Uls_f32	0.920000017	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	1179.19995	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	662.900024	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.109999999	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-685.099976	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	196	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-350.200012	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	11407	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	

Name	Input Value		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	787.700012	787.700012 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	5487.91553	5487.91602 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	5487.91553	5487.91602 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	5828.25977	5828.25977 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6377.62012	6377.62012 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-350.200012	-350.200012 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 2.91 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	7649.14014	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.939999998	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-409.299988	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.939999998	
AbsHwPos_HwPosSource_Cnt_M_u16	3364	
AbsHwPos_HwPosState_Cnt_M_enum	3	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-807.97998	
AbsHwPos_RelHwPos_HwDeg_M_f32	-807.97998	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	202.529999	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.939999998	
AbsHwPos_TempHwPos_HwDeg_M_f32	848.539978	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1271.65002	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.930000007	
k_HwPosOutputLPFError_HwDeg_f32	1298	
k_I2CHwAuthority_Uls_f32	0.930000007	
k_MaxSensorlessAuthority_Uls_f32	0.119999997	
k_MaxVehCntrOffDiff_HwDeg_f32	1357.40002	
k_MinSensorlessAuthority_Uls_f32	0.930000007	
k_TurnsCntrAuthority_Uls_f32	0.930000007	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	1208.90002	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	683	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.119999997	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-665.400024	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	200	

Name	Input Value
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-330.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	11531
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-807.97998	-807.97998 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.939999998	0.939999998 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	773.069519	773.06958 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	3364	3364	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	773.069519	773.06958 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	202.529999	202.529999 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.939999998	0.939999998 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	848.539978	848.539978 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1271.65002	-1271.65002 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.939999998	0.939999998 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	773.069519	773.06958 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3364	3364	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	202.529999	202.529999 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-330.5	-330.5 ± 0.0009	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.92 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	7543.18018	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.949999988	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	213	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.949999988	
AbsHwPos_HwPosSource_Cnt_M_u16	3476	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	828.26001	
AbsHwPos_RelHwPos_HwDeg_M_f32	5828.25977	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	28969	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	9802.53027	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.949999988	
AbsHwPos_TempHwPos_HwDeg_M_f32	-868.820007	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6165.7002	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.939999998	
k_HwPosOutputLPFError_HwDeg_f32	1327.69995	
k_I2CHwAuthority_Uls_f32	0.939999998	
k_MaxSensorlessAuthority_Uls_f32	0.129999995	
k_MaxVehCntrOffDiff_HwDeg_f32	1387.09998	

Name	Input Value
k_MinSensorlessAuthority_Uls_f32	0.939999998
k_TurnsCntrAuthority_Uls_f32	0.939999998
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1238.59998
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	703.099976
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.129999995
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-645.700012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	204
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-310.799988
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	11655
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	5828.25977	5828.25977 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-814.729004	-814.729004 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-814.729004	-814.729004 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-868.820007	-868.820007 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6165.7002	6165.7002 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-814.729004	-814.729004 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.93 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-7437.22021
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.959999979
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-369.899994
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.959999979
AbsHwPos_HwPosSource_Cnt_M_u16	3588
AbsHwPos_HwPosState_Cnt_M_enum	5
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	848.539978
AbsHwPos_RelHwPos_HwDeg_M_f32	848.539978

Name	Input Value
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	29467
AbsHwPos_SrlComHwPos_HwDeg_M_f32	3224.75
AbsHwPos_TargetHwAuthority_Uls_M_f32	0
AbsHwPos_TempHwPos_HwDeg_M_f32	1889.09998
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6059.74023
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.949999988
k_HwPosOutputLPFError_HwDeg_f32	1357.40002
k_I2CHwAuthority_Uls_f32	0.949999988
k_MaxSensorlessAuthority_Uls_f32	0.140000001
k_MaxVehCntrOffDiff_HwDeg_f32	1416.80005
k_MinSensorlessAuthority_Uls_f32	0.949999988
k_TurnsCntrAuthority_Uls_f32	0.949999988
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1268.30005
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	723.200012
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.140000001
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-626
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	208
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-291.100006
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	11779
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	848.539978	848.539978 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1889.09998	1889.09998 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3588	3588	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1889.09998	1889.09998 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	29467	29467	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	3224.75	3224.75 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	1889.09998	1889.09998 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	6059.74023	6059.74023 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3588	3588	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	29467	29467	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-291.100006	-291.100006 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.94 (Repeat Count = 1)   ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	7331.25977
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.970000029
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	120.199997
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.970000029
AbsHwPos_HwPosSource_Cnt_M_u16	3700
AbsHwPos_HwPosState_Cnt_M_enum	6
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-868.820007
AbsHwPos_RelHwPos_HwDeg_M_f32	-868.820007
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	29965
AbsHwPos_SrlComHwPos_HwDeg_M_f32	120.199997
AbsHwPos_TargetHwAuthority_Uls_M_f32	1
AbsHwPos_TempHwPos_HwDeg_M_f32	909.380005
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1446.94995
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.959999979
k_HwPosOutputLPFError_HwDeg_f32	1387.09998
k_I2CHwAuthority_Uls_f32	0.959999979
k_MaxSensorlessAuthority_Uls_f32	0.150000006
k_MaxVehCntrOffDiff_HwDeg_f32	1446.5
k_MinSensorlessAuthority_Uls_f32	0.959999979
k_TurnsCntrAuthority_Uls_f32	0.959999979
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1298
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	743.299988
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.150000006
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-606.299988
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	212
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-271.399994
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	11903
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-868.820007	-868.820007 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.0100000501	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	885.704651	885.70459 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	885.704651	885.70459 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	909.380005	909.380005 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1446.94995	-1446.94995 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.0100000501	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	885.704651	885.70459 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

Name	Actual Value	Expected Value	Result
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 2.95 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	7225.2998	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.980000019	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	140.300003	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.980000019	
AbsHwPos_HwPosSource_Cnt_M_u16	3812	
AbsHwPos_HwPosState_Cnt_M_enum	7	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	889.099976	
AbsHwPos_RelHwPos_HwDeg_M_f32	1889.09998	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	30463	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	140.300003	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.980000019	
AbsHwPos_TempHwPos_HwDeg_M_f32	929.659973	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7587.68994	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.970000029	
k_HwPosOutputLPFError_HwDeg_f32	1416.80005	
k_I2CHwAuthority_Uls_f32	0.970000029	
k_MaxSensorlessAuthority_Uls_f32	0.159999996	
k_MaxVehCntrOffDiff_HwDeg_f32	1476.19995	
k_MinSensorlessAuthority_Uls_f32	0.970000029	
k_TurnsCntrAuthority_Uls_f32	0.970000029	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	1327.69995	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	763.400024	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.159999996	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-586.599976	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	216	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-251.699997	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	12027	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_C	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1889.09998	1889.09998 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.980000019	0.980000019 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	929.659973	929.659973 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3812	3812	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	929.659973	929.659973 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	30463	30463	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_SrlComHwPos_HwDeg_M_f32	140.300003	140.300003 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.980000019	0.980000019 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	929.659973	929.659973 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7587.68994	7587.68994 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.980000019	0.980000019 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	929.659973	929.659973 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3812	3812	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	30463	30463	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	140.300003	140.300003 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-251.699997	-251.699997 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.96 (Repeat Count = 1)		✔
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-7119.33008
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.99000001
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	160.399994
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.99000001
AbsHwPos_HwPosSource_Cnt_M_u16	3924
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	909.380005
AbsHwPos_RelHwPos_HwDeg_M_f32	909.380005
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	30961
AbsHwPos_SrlComHwPos_HwDeg_M_f32	160.399994
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.99000001
AbsHwPos_TempHwPos_HwDeg_M_f32	-11725
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7728.43018
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.980000019
k_HwPosOutputLPFError_HwDeg_f32	1446.5
k_I2CHwAuthority_Uls_f32	0.980000019
k_MaxSensorlessAuthority_Uls_f32	0.170000002
k_MaxVehCntrOffDiff_HwDeg_f32	1505.90002
k_MinSensorlessAuthority_Uls_f32	0.980000019
k_TurnsCntrAuthority_Uls_f32	0.980000019
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1357.40002
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	783.5
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.170000002
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-566.900024
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	220
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5000.6001
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	12151
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16

Name	Input Value		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	909.380005	909.380005 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-11606.1465	-11606.1465 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-11606.1465	-11606.1465 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-11725	-11725 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7728.43018	7728.43018 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5000.6001	5000.6001 ± 0.009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 2.97 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	7013.37988	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.100000001	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	180.5	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.100000001	
AbsHwPos_HwPosSource_Cnt_M_u16	4036	
AbsHwPos_HwPosState_Cnt_M_enum	9	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	929.659973	
AbsHwPos_RelHwPos_HwDeg_M_f32	929.659973	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	31459	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	180.5	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.100000001	
AbsHwPos_TempHwPos_HwDeg_M_f32	11725	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1369.17004	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.99000001	
k_HwPosOutputLPFError_HwDeg_f32	1476.19995	
k_I2CHwAuthority_Uls_f32	0.99000001	
k_MaxSensorlessAuthority_Uls_f32	0.180000007	
k_MaxVehCntrOffDiff_HwDeg_f32	1535.59998	
k_MinSensorlessAuthority_Uls_f32	0.99000001	
k_TurnsCntrAuthority_Uls_f32	0.99000001	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	1387.09998	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	803.599976	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.180000007	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-547.200012	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	224	

Name	Input Value
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5120.3999
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	12275
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	929.659973	929.659973 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.100000001	0.100000001 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1334.95007	1334.94995 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	4036	4036	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1334.95007	1334.94995 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	31459	31459	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	180.5	180.5 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.100000001	0.100000001 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	11725	11725 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1369.17004	-1369.17004 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.100000001	0.100000001 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1334.95007	1334.94995 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	4036	4036	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	31459	31459	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	180.5	180.5 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5120.3999	5120.3999 ± 0.009	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.98 (Repeat Count = 1)   ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	6907.41992
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.200000003
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	200.600006
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.200000003
AbsHwPos_HwPosSource_Cnt_M_u16	4148
AbsHwPos_HwPosState_Cnt_M_enum	10
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	949.940002
AbsHwPos_RelHwPos_HwDeg_M_f32	949.940002
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	31957
AbsHwPos_SrlComHwPos_HwDeg_M_f32	200.600006
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.200000003
AbsHwPos_TempHwPos_HwDeg_M_f32	0
AbsHwPos_VehCntrOffset_HwDeg_M_f32	2804
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.100000001
k_HwPosOutputLPFError_HwDeg_f32	1505.90002
k_I2CHwAuthority_Uls_f32	0.100000001
k_MaxSensorlessAuthority_Uls_f32	0.189999998
k_MaxVehCntrOffDiff_HwDeg_f32	1565.30005

Name	Input Value
k_MinSensorlessAuthority_Uls_f32	0.100000001
k_TurnsCntrAuthority_Uls_f32	0.100000001
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1416.80005
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	823.700012
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.189999998
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-527.5
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	228
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5240.2002
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	12399
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	949.940002	949.940002 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.100000001	0.100000001 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	0	0 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	2804	2804 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.100000001	0.100000001 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	0	0 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.99 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	6801.45996
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.300000012
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	220.699997
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.300000012
AbsHwPos_HwPosSource_Cnt_M_u16	4260
AbsHwPos_HwPosState_Cnt_M_enum	11
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	970.219971
AbsHwPos_RelHwPos_HwDeg_M_f32	970.219971

Name	Input Value
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	32455
AbsHwPos_SrlComHwPos_HwDeg_M_f32	220.699997
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.300000012
AbsHwPos_TempHwPos_HwDeg_M_f32	2943.27002
AbsHwPos_VehCntrOffset_HwDeg_M_f32	2916
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.109999999
k_HwPosOutputLPFError_HwDeg_f32	1535.59998
k_I2CHwAuthority_Uls_f32	0.109999999
k_MaxSensorlessAuthority_Uls_f32	0.200000003
k_MaxVehCntrOffDiff_HwDeg_f32	1595
k_MinSensorlessAuthority_Uls_f32	0.109999999
k_TurnsCntrAuthority_Uls_f32	0.109999999
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1446.5
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	843.799988
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.200000003
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-507.799988
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	232
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5360
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	12523
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	970.219971	970.219971 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.300000012	0.300000012 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1037.47107	1037.47095 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	4260	4260	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1037.47107	1037.47095 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	32455	32455	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	220.699997	220.699997 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.300000012	0.300000012 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	2943.27002	2943.27002 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	2916	2916 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.300000012	0.300000012 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1037.47107	1037.47095 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	4260	4260	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	32455	32455	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	220.699997	220.699997 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5360	5360 ± 0.009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.100 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	6695.5
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.400000006
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	240.800003
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.400000006
AbsHwPos_HwPosSource_Cnt_M_u16	4372
AbsHwPos_HwPosState_Cnt_M_enum	12
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-990.5
AbsHwPos_RelHwPos_HwDeg_M_f32	-990.5
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	32953
AbsHwPos_SrlComHwPos_HwDeg_M_f32	240.800003
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.400000006
AbsHwPos_TempHwPos_HwDeg_M_f32	-3084.01001
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3028
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.119999997
k_HwPosOutputLPFError_HwDeg_f32	1565.30005
k_I2CHwAuthority_Uls_f32	0.119999997
k_MaxSensorlessAuthority_Uls_f32	0.209999993
k_MaxVehCntrOffDiff_HwDeg_f32	50.5999985
k_MinSensorlessAuthority_Uls_f32	0.119999997
k_TurnsCntrAuthority_Uls_f32	0.119999997
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1476.19995
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	863.900024
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.209999993
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-488.100006
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	236
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5479.7998
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	12647
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-990.5	-990.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.280000001	0.280000001 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-1089.12402	-1089.12402 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1089.12402	-1089.12402 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-3084.01001	-3084.01001 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3028	3028 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.280000001	0.280000001 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1089.12402	-1089.12402 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔

Name	Actual Value	Expected Value	Result
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 2.101 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	200	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.5	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	260.899994	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.5	
AbsHwPos_HwPosSource_Cnt_M_u16	4484	
AbsHwPos_HwPosState_Cnt_M_enum	13	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1010.78003	
AbsHwPos_RelHwPos_HwDeg_M_f32	1010.78003	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	33451	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	260.899994	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.5	
AbsHwPos_TempHwPos_HwDeg_M_f32	-248.300003	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.129999995	
k_HwPosOutputLPFError_HwDeg_f32	1595	
k_I2CHwAuthority_Uls_f32	0.129999995	
k_MaxSensorlessAuthority_Uls_f32	0.219999999	
k_MaxVehCntrOffDiff_HwDeg_f32	80.3000031	
k_MinSensorlessAuthority_Uls_f32	0.129999995	
k_TurnsCntrAuthority_Uls_f32	0.129999995	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	1505.90002	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	884	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.219999999	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-468.399994	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	240	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5599.6001	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	12771	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	

Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1010.78003	1010.78003 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.5	0.5 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-248.300003	-248.300003 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	4484	4484	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-248.300003	-248.300003 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	33451	33451	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_SrlComHwPos_HwDeg_M_f32	260.899994	260.899994 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.5	0.5 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-248.300003	-248.300003 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	668.400024	668.400024 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.5	0.5 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-248.300003	-248.300003 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	4484	4484	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	33451	33451	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	260.899994	260.899994 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	668.400024	668.400024 ± 0.0009	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.102 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1000.25	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.600000024	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	281	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.600000024	
AbsHwPos_HwPosSource_Cnt_M_u16	4596	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1031.06006	
AbsHwPos_RelHwPos_HwDeg_M_f32	123.400002	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	33949	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	281	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.600000024	
AbsHwPos_TempHwPos_HwDeg_M_f32	1395.13	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.140000001	
k_HwPosOutputLPFError_HwDeg_f32	1149.5	
k_I2CHwAuthority_Uls_f32	0.140000001	
k_MaxSensorlessAuthority_Uls_f32	0.230000004	
k_MaxVehCntrOffDiff_HwDeg_f32	110	
k_MinSensorlessAuthority_Uls_f32	0.140000001	
k_TurnsCntrAuthority_Uls_f32	0.140000001	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	1535.59998	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	100.099998	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.230000004	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-448.700012	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	244	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5719.3999	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	12895	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	123.400002	123.400002 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.460000038	0.460000008 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1395.13	1395.13 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1395.13	1395.13 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	1395.13	1395.13 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1448.94995	1448.94995 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.460000038	0.460000008 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1395.13	1395.13 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5719.3999	5719.3999 ± 0.009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.103 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	524.210022
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.699999988
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	301.100006
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.699999988
AbsHwPos_HwPosSource_Cnt_M_u16	4708
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1051.33997
AbsHwPos_RelHwPos_HwDeg_M_f32	-248.300003
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	34447
AbsHwPos_SrlComHwPos_HwDeg_M_f32	301.100006
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.699999988
AbsHwPos_TempHwPos_HwDeg_M_f32	1535.87
AbsHwPos_VehCntrOffset_HwDeg_M_f32	0
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.150000006
k_HwPosOutputLPFError_HwDeg_f32	1179.19995
k_I2CHwAuthority_Uls_f32	0.150000006
k_MaxSensorlessAuthority_Uls_f32	0.239999995
k_MaxVehCntrOffDiff_HwDeg_f32	139.699997
k_MinSensorlessAuthority_Uls_f32	0.150000006
k_TurnsCntrAuthority_Uls_f32	0.150000006
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1565.30005
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	120.199997
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.239999995

Name	Input Value
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-429
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	248
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5839.2002
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	13019
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-248.300003	-248.300003 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.699999988	0.699999988 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1535.87	1535.87 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	4708	4708	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1535.87	1535.87 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	301.100006	301.100006 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.699999988	0.699999988 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	1535.87	1535.87 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	953.210022	953.210022 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.699999988	0.699999988 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1535.87	1535.87 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	4708	4708	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	301.100006	301.100006 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	953.210022	953.210022 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.104 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-324.119995
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.800000012
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	321.26001
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.800000012
AbsHwPos_HwPosSource_Cnt_M_u16	4820
AbsHwPos_HwPosState_Cnt_M_enum	3
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1071.62
AbsHwPos_RelHwPos_HwDeg_M_f32	147.300003
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	34945
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-6321.02979
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.800000012
AbsHwPos_TempHwPos_HwDeg_M_f32	-1676.60999
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1000.59998
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.159999996

Name	Input Value
k_HwPosOutputLPFError_HwDeg_f32	1208.90002
k_I2CHwAuthority_Uls_f32	0.159999996
k_MaxSensorlessAuthority_Uls_f32	0.25
k_MaxVehCntrOffDiff_HwDeg_f32	169.399994
k_MinSensorlessAuthority_Uls_f32	0.159999996
k_TurnsCntrAuthority_Uls_f32	0.159999996
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1595
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	140.300003
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.25
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-409.299988
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	252
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5959
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	13143
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	147.300003	147.300003 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.639999986	0.639999986 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-1277.03601	-1277.03601 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1277.03601	-1277.03601 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-1676.60999	-1676.60999 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	85.1799927	85.1800003 ± 0.00009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.639999986	0.639999986 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1277.03601	-1277.03601 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	85.1799927	85.1800003 ± 0.00009	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.105 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-400.209991
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.899999976
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	341.540009
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.899999976

Name	Input Value
AbsHwPos_HwPosSource_Cnt_M_u16	4932
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1091.90002
AbsHwPos_RelHwPos_HwDeg_M_f32	-991.700012
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	35443
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6461.77002
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.899999976
AbsHwPos_TempHwPos_HwDeg_M_f32	1817.34998
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-500.899994
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.170000002
k_HwPosOutputLPFError_HwDeg_f32	1238.59998
k_I2CHwAuthority_Uls_f32	0.170000002
k_MaxSensorlessAuthority_Uls_f32	0.25999999
k_MaxVehCntrOffDiff_HwDeg_f32	199.100006
k_MinSensorlessAuthority_Uls_f32	0.170000002
k_TurnsCntrAuthority_Uls_f32	0.170000002
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	50.5999985
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	160.399994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.25999999
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-389.600006
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	10
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	6078.7998
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	13267
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-991.700012	-991.700012 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.729999959	0.730000019 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-316.485992	-316.485992 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-316.485992	-316.485992 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-389.600006	-389.600006 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.25999999	0.25999999 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-389.600006	-389.600006 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-10.6099854	-10.6099997 ± 0.00009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.729999959	0.730000019 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-316.485992	-316.485992 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-389.600006	-389.600006 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-10.6099854	-10.6099997 ± 0.00009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.106 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	6059.74023
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.109999999
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	361.820007
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.109999999
AbsHwPos_HwPosSource_Cnt_M_u16	5044
AbsHwPos_HwPosState_Cnt_M_enum	5
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1112.18005
AbsHwPos_RelHwPos_HwDeg_M_f32	894.5
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	35941
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6602.50977
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.109999999
AbsHwPos_TempHwPos_HwDeg_M_f32	1958.08997
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3700
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.180000007
k_HwPosOutputLPFError_HwDeg_f32	1268.30005
k_I2CHwAuthority_Uls_f32	0.180000007
k_MaxSensorlessAuthority_Uls_f32	0.270000011
k_MaxVehCntrOffDiff_HwDeg_f32	228.800003
k_MinSensorlessAuthority_Uls_f32	0.180000007
k_TurnsCntrAuthority_Uls_f32	0.180000007
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	80.3000031
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	180.5
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.270000011
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-369.899994
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	20
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	6198.6001
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	13391
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_C	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	894.5	894.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1958.08997	1958.08997 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1958.08997	1958.08997 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	1958.08997	1958.08997 ± 0.1	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3700	3700 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	6198.6001	6198.6001 ± 0.009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 2.107 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-5953.77881	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.119999997	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	382.100006	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.119999997	
AbsHwPos_HwPosSource_Cnt_M_u16	5156	
AbsHwPos_HwPosState_Cnt_M_enum	6	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1132.45996	
AbsHwPos_RelHwPos_HwDeg_M_f32	5641	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	36439	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-6743.25	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.119999997	
AbsHwPos_TempHwPos_HwDeg_M_f32	2098.83008	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3812	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.189999998	
k_HwPosOutputLPFError_HwDeg_f32	1298	
k_I2CHwAuthority_Uls_f32	0.189999998	
k_MaxSensorlessAuthority_Uls_f32	0.280000001	
k_MaxVehCntrOffDiff_HwDeg_f32	258.5	
k_MinSensorlessAuthority_Uls_f32	0.189999998	
k_TurnsCntrAuthority_Uls_f32	0.189999998	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	110	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	200.600006	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.280000001	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-350.200012	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	30	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	6318.3999	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	13515	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	

Name	Input Value		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	5641	5641 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.119999997	0.119999997 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	588.107605	588.107605 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	5156	5156	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	588.107605	588.107605 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	36439	36439	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-6743.25	-6743.25 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.119999997	0.119999997 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	2098.83008	2098.83008 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3812	3812 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.119999997	0.119999997 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	588.107605	588.107605 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	5156	5156	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	36439	36439	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock		1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✓

Test Step 2.108 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	5847.81982	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.129999995	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	402.380005	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.129999995	
AbsHwPos_HwPosSource_Cnt_M_u16	5268	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1152.73999	
AbsHwPos_RelHwPos_HwDeg_M_f32	150.5	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	36937	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6883.99023	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.129999995	
AbsHwPos_TempHwPos_HwDeg_M_f32	-2239.57007	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3924	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.200000003	
k_HwPosOutputLPFError_HwDeg_f32	1327.69995	
k_I2CHwAuthority_Uls_f32	0.200000003	
k_MaxSensorlessAuthority_Uls_f32	0.289999992	
k_MaxVehCntrOffDiff_HwDeg_f32	288.200012	
k_MinSensorlessAuthority_Uls_f32	0.200000003	
k_TurnsCntrAuthority_Uls_f32	0.200000003	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	139.699997	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	220.699997	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.289999992	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-330.5	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	6438.2002	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	13639	

Name	Input Value
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	150.5	150.5 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	58.9264832	58.9264984 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	58.9264832	58.9264984 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6883.99023	6883.99023 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-2239.57007	-2239.57007 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3924	3924 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	58.9264832	58.9264984 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	6438.2002	6438.2002 ± 0.009	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✓

Test Step 2.109 (Repeat Count = 1)	✓
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	5741.85986
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.140000001
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	422.660004
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.140000001
AbsHwPos_HwPosSource_Cnt_M_u16	5380
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1173.02002
AbsHwPos_RelHwPos_HwDeg_M_f32	-620
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	37435
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7024.72998
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.140000001
AbsHwPos_TempHwPos_HwDeg_M_f32	2380.31006
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4036
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.209999993
k_HwPosOutputLPFError_HwDeg_f32	1357.40002
k_I2CHwAuthority_Uls_f32	0.209999993
k_MaxSensorlessAuthority_Uls_f32	0.300000012
k_MaxVehCntrOffDiff_HwDeg_f32	317.899994

Name	Input Value
k_MinSensorlessAuthority_Uls_f32	0.209999993
k_TurnsCntrAuthority_Uls_f32	0.209999993
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	169.399994
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	240.800003
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.300000012
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-310.799988
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	6558
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	13763
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-620	-620 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.209999993	0.209999993 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1705.85986	1705.85999 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1	1	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1705.85986	1705.85999 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1705.85986	1705.85999 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.209999993	0.209999993 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	1705.85986	1705.85999 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4036	4036 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.209999993	0.209999993 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1	1	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.110 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	5635.8999
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.150000006
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-11725
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.150000006
AbsHwPos_HwPosSource_Cnt_M_u16	5492
AbsHwPos_HwPosState_Cnt_M_enum	9
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1193.30005
AbsHwPos_RelHwPos_HwDeg_M_f32	201.199997

Name	Input Value
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	37933
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7165.47021
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.150000006
AbsHwPos_TempHwPos_HwDeg_M_f32	2521.05005
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4148
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.219999999
k_HwPosOutputLPFError_HwDeg_f32	1387.09998
k_I2CHwAuthority_Uls_f32	0.219999999
k_MaxSensorlessAuthority_Uls_f32	0.310000002
k_MaxVehCntrOffDiff_HwDeg_f32	347.600006
k_MinSensorlessAuthority_Uls_f32	0.219999999
k_TurnsCntrAuthority_Uls_f32	0.219999999
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	199.100006
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	260.899994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.310000002
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-291.100006
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	60
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	6677.7998
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	13887
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	201.199997	201.199997 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	2521.05005	2521.05005 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	2521.05005	2521.05005 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	2521.05005	2521.05005 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4148	4148 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.111 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-5529.93018	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.159999996	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	11725	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.159999996	
AbsHwPos_HwPosSource_Cnt_M_u16	5604	
AbsHwPos_HwPosState_Cnt_M_enum	10	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1213.57996	
AbsHwPos_RelHwPos_HwDeg_M_f32	64.9800034	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	38431	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7306.20996	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.159999996	
AbsHwPos_TempHwPos_HwDeg_M_f32	-2661.79004	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4260	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.230000004	
k_HwPosOutputLPFError_HwDeg_f32	1416.80005	
k_I2CHwAuthority_Uls_f32	0.230000004	
k_MaxSensorlessAuthority_Uls_f32	0.319999993	
k_MaxVehCntrOffDiff_HwDeg_f32	377.299988	
k_MinSensorlessAuthority_Uls_f32	0.230000004	
k_TurnsCntrAuthority_Uls_f32	0.230000004	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	228.800003	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	281	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.319999993	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-271.399994	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	70	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	6797.6001	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	14011	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_AlignedHwPos_HwDeg_M_f32	64.9800034	64.9800034 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.159999996	0.159999996 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	9423.11328	9423.11328 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	5604	5604	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	9423.11328	9423.11328 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	38431	38431	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7306.20996	7306.20996 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.159999996	0.159999996 ± 0.004	✓

Name	Actual Value	Expected Value	Result
AbsHwPos_TempHwPos_HwDeg_M_f32	-2661.79004	-2661.79004 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4260	4260 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.159999996	0.159999996 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	5604	5604	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	38431	38431	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	6797.6001	6797.6001 ± 0.009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 2.112 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	5423.97998	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.170000002	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	0	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.170000002	
AbsHwPos_HwPosSource_Cnt_M_u16	5716	
AbsHwPos_HwPosState_Cnt_M_enum	11	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1233.85999	
AbsHwPos_RelHwPos_HwDeg_M_f32	8888	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	38929	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-7446.9502	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.170000002	
AbsHwPos_TempHwPos_HwDeg_M_f32	949.940002	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4372	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.239999995	
k_HwPosOutputLPFError_HwDeg_f32	1446.5	
k_I2CHwAuthority_Uls_f32	0.239999995	
k_MaxSensorlessAuthority_Uls_f32	0.330000013	
k_MaxVehCntrOffDiff_HwDeg_f32	407	
k_MinSensorlessAuthority_Uls_f32	0.239999995	
k_TurnsCntrAuthority_Uls_f32	0.239999995	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	258.5	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	301.100006	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.330000013	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-251.699997	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	80	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	6917.3999	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	14135	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	

Name	Input Value		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	8888	8888 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	949.940002	949.940002 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	949.940002	949.940002 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	949.940002	949.940002 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4372	4372 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	949.940002	949.940002 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 2.113 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	3787.70996	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.280000001	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1112.18005	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.280000001	
AbsHwPos_HwPosSource_Cnt_M_u16	296	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1207.09998	
AbsHwPos_RelHwPos_HwDeg_M_f32	1207.09998	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23721	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2098.83008	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.280000001	
AbsHwPos_TempHwPos_HwDeg_M_f32	8009.91016	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1132.57996	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.270000011	
k_HwPosOutputLPFError_HwDeg_f32	1179.19995	
k_I2CHwAuthority_Uls_f32	0.270000011	
k_MaxSensorlessAuthority_Uls_f32	0.340000004	
k_MaxVehCntrOffDiff_HwDeg_f32	882.200012	
k_MinSensorlessAuthority_Uls_f32	0.270000011	
k_TurnsCntrAuthority_Uls_f32	0.270000011	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	822.799988	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-271.399994	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.360000014	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	622.700012	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	875.5	

Name	Input Value
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3347
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1207.09998	1207.09998 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.360000014	0.360000014 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	622.700012	622.700012 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	622.700012	622.700012 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2098.83008	2098.83008 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.360000014	0.360000014 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	622.700012	622.700012 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1132.57996	-1132.57996 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.360000014	0.360000014 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	622.700012	622.700012 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.114 (Repeat Count = 1)	✔
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-5212.05908
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.189999998
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-564.619995
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.189999998
AbsHwPos_HwPosSource_Cnt_M_u16	5940
AbsHwPos_HwPosState_Cnt_M_enum	13
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1274.42004
AbsHwPos_RelHwPos_HwDeg_M_f32	-471
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	39925
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7728.43018
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.189999998
AbsHwPos_TempHwPos_HwDeg_M_f32	-990.5
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4596
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.25999999
k_HwPosOutputLPFError_HwDeg_f32	1505.90002
k_I2CHwAuthority_Uls_f32	0.25999999

Name	Input Value
k_MaxSensorlessAuthority_Uls_f32	0.349999994
k_MaxVehCntrOffDiff_HwDeg_f32	466.399994
k_MinSensorlessAuthority_Uls_f32	0.25999999
k_TurnsCntrAuthority_Uls_f32	0.25999999
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	317.899994
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	341.299988
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.349999994
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-212.300003
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	7157
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	14383
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-471	-471 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-645.53717	-645.53717 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-645.53717	-645.53717 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-990.5	-990.5 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4596	4596 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-645.53717	-645.53717 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	7157	7157 ± 0.009	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.115 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	5106.08984
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.200000003
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	484
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0
AbsHwPos_HwPosSource_Cnt_M_u16	6052
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1294.69995

Name	Input Value
AbsHwPos_RelHwPos_HwDeg_M_f32	4649
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	40423
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-7869.16992
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.200000003
AbsHwPos_TempHwPos_HwDeg_M_f32	1010.78003
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4708
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.270000011
k_HwPosOutputLPFError_HwDeg_f32	1535.59998
k_I2CHwAuthority_Uls_f32	0.270000011
k_MaxSensorlessAuthority_Uls_f32	0.360000014
k_MaxVehCntrOffDiff_HwDeg_f32	496.100006
k_MinSensorlessAuthority_Uls_f32	0.270000011
k_TurnsCntrAuthority_Uls_f32	0.270000011
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	347.600006
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	461.899994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.360000014
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-192.600006
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	110
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	7276.7998
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	14507
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	4649	4649 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.200000003	0.200000003 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1010.78003	1010.78003 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	6052	6052	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1010.78003	1010.78003 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	40423	40423	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-7869.16992	-7869.16992 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.200000003	0.200000003 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	1010.78003	1010.78003 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	4708	4708 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.200000003	0.200000003 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1010.78003	1010.78003 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	6052	6052	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	40423	40423	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	7276.7998	7276.7998 ± 0.009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 2.116 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	5000.12988
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.209999993
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-564.299988
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	1
AbsHwPos_HwPosSource_Cnt_M_u16	6164
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1314.97998
AbsHwPos_RelHwPos_HwDeg_M_f32	234
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	40921
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8009.91016
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.209999993
AbsHwPos_TempHwPos_HwDeg_M_f32	123.400002
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1687
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.280000001
k_HwPosOutputLPFError_HwDeg_f32	1565.30005
k_I2CHwAuthority_Uls_f32	0.280000001
k_MaxSensorlessAuthority_Uls_f32	0.370000005
k_MaxVehCntrOffDiff_HwDeg_f32	525.799988
k_MinSensorlessAuthority_Uls_f32	0.280000001
k_TurnsCntrAuthority_Uls_f32	0.280000001
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	377.299988
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	482
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.370000005
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-172.899994
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	120
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	7396.6001
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	14631
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	234	234 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	123.400002	123.400002 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	123.400002	123.400002 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	123.400002	123.400002 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1687	1687 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	123.400002	123.400002 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔

TEST DETAILS REPORT

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AbsHwPos_Per2

Name	Actual Value	Expected Value	Result
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.117 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	9556.42969
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.75999999
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-941.200012
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.569999993
AbsHwPos_HwPosSource_Cnt_M_u16	1348
AbsHwPos_HwPosState_Cnt_M_enum	13
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-409.299988
AbsHwPos_RelHwPos_HwDeg_M_f32	-409.299988
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	41419
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6180.29004
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.569999993
AbsHwPos_TempHwPos_HwDeg_M_f32	2380.31006
AbsHwPos_VehCntrOffset_HwDeg_M_f32	2802.53003
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.75
k_HwPosOutputLPFError_HwDeg_f32	674.299988
k_I2CHwAuthority_Uls_f32	0.75
k_MaxSensorlessAuthority_Uls_f32	0.839999974
k_MaxVehCntrOffDiff_HwDeg_f32	822.799988
k_MinSensorlessAuthority_Uls_f32	0.75
k_TurnsCntrAuthority_Uls_f32	0.75
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	674.299988
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-291.100006
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.839999974
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1587.5
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	130
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2325.1001
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9299
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-409.299988	-409.299988 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.569999993	0.569999993 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	952.06073	952.06073 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1348	1348	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	952.06073	952.06073 ± 0.1	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	41419	41419	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6180.29004	6180.29004 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.569999993	0.569999993 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	2380.31006	2380.31006 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	2802.53003	2802.53003 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.569999993	0.569999993 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	952.06073	952.06073 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1348	1348	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	41419	41419	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.118 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-514.320007
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.769999981
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-921.5
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.579999983
AbsHwPos_HwPosSource_Cnt_M_u16	1460
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	213
AbsHwPos_RelHwPos_HwDeg_M_f32	213
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	41917
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-6321.02979
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.579999983
AbsHwPos_TempHwPos_HwDeg_M_f32	2521.05005
AbsHwPos_VehCntrOffset_HwDeg_M_f32	2943.27002
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.75999999
k_HwPosOutputLPFError_HwDeg_f32	704
k_I2CHwAuthority_Uls_f32	0.75999999
k_MaxSensorlessAuthority_Uls_f32	0.850000024
k_MaxVehCntrOffDiff_HwDeg_f32	852.5
k_MinSensorlessAuthority_Uls_f32	0.75999999
k_TurnsCntrAuthority_Uls_f32	0.75999999
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	704
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-271.399994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.850000024
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-1000.29999
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	140
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2355.30005
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9423
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	213	213 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1075.17896	1075.17896 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1075.17896	1075.17896 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	2521.05005	2521.05005 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	485.97998	485.980011 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1075.17896	1075.17896 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	485.97998	485.980011 ± 0.0009	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.119 (Repeat Count = 1)	✓
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-874.22998
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.779999971
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	324.5
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.589999974
AbsHwPos_HwPosSource_Cnt_M_u16	1572
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-369.899994
AbsHwPos_RelHwPos_HwDeg_M_f32	-369.899994
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	42415
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6461.77002
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.589999974
AbsHwPos_TempHwPos_HwDeg_M_f32	-2661.79004
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1084.01001
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.769999981
k_HwPosOutputLPFError_HwDeg_f32	733.700012
k_I2CHwAuthority_Uls_f32	0.769999981
k_MaxSensorlessAuthority_Uls_f32	0.860000014
k_MaxVehCntrOffDiff_HwDeg_f32	882.200012
k_MinSensorlessAuthority_Uls_f32	0.769999981
k_TurnsCntrAuthority_Uls_f32	0.769999981
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	733.700012
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-251.699997

Name	Input Value
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.860000014
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-980.599976
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	150
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2385.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9547
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-369.899994	-369.899994 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.589999974	0.589999974 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-1437.41101	-1437.41113 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	1572	1572	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1437.41101	-1437.41113 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6461.77002	6461.77002 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.589999974	0.589999974 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-2661.79004	-2661.79004 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	106.369995	106.370003 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.589999974	0.589999974 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1437.41101	-1437.41113 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1572	1572	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	106.369995	106.370003 ± 0.0009	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 2.120 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-325.320007	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.790000021	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	471.600006	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.600000024	
AbsHwPos_HwPosSource_Cnt_M_u16	1684	
AbsHwPos_HwPosState_Cnt_M_enum	3	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	120.199997	
AbsHwPos_RelHwPos_HwDeg_M_f32	120.199997	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	42913	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6602.50977	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.600000024	
AbsHwPos_TempHwPos_HwDeg_M_f32	2802.53003	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3224.75	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	

Name	Input Value			
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos			
k_HwPosAuthorityStep_Uls_f32	0.779999971			
k_HwPosOutputLPFError_HwDeg_f32	763.400024			
k_I2CHwAuthority_Uls_f32	0.779999971			
k_MaxSensorlessAuthority_Uls_f32	0.870000005			
k_MaxVehCntrOffDiff_HwDeg_f32	911.900024			
k_MinSensorlessAuthority_Uls_f32	0.779999971			
k_TurnsCntrAuthority_Uls_f32	0.779999971			
k_UseTurnsCntr_Cnt_lgc	1			
k_VehCntrOffValidLimit_HwDeg_f32	763.400024			
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1			
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1			
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-232			
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2			
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.870000005			
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-960.900024			
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	160			
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2415.69995			
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9671			
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2			
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc			
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32			
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32			
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16			
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc			
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32			
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum			
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32			
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32			
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16			
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32			
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08			
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset			

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	120.199997	120.199997 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.0100000501	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1870.15796	1870.15796 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1870.15796	1870.15796 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	2802.53003	2802.53003 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	635.580017	635.580017 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.0100000501	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2415.69995	2415.69995 ± 0.009	✔

Test Step Call Trace				✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.121 (Repeat Count = 1)		✔

Name	Input Value	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-514.320007	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.769999981	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-921.5	

Name	Input Value
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.579999983
AbsHwPos_HwPosSource_Cnt_M_u16	1460
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	213
AbsHwPos_RelHwPos_HwDeg_M_f32	213
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	41917
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-6321.02979
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.579999983
AbsHwPos_TempHwPos_HwDeg_M_f32	2521.05005
AbsHwPos_VehCntrOffset_HwDeg_M_f32	2943.27002
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.75999999
k_HwPosOutputLPFError_HwDeg_f32	704
k_I2CHwAuthority_Uls_f32	0.75999999
k_MaxSensorlessAuthority_Uls_f32	0.850000024
k_MaxVehCntrOffDiff_HwDeg_f32	852.5
k_MinSensorlessAuthority_Uls_f32	0.75999999
k_TurnsCntrAuthority_Uls_f32	0.75999999
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	704
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-271.399994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.850000024
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-1000.29999
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	140
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2355.30005
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9423
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	213	213 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1075.17896	1075.17896 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1075.17896	1075.17896 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	2521.05005	2521.05005 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	485.97998	485.980011 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1075.17896	1075.17896 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	485.97998	485.980011 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 2.122 (Repeat Count = 1)			✔
Name	**Input Value**		
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-874.22998		
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.779999971		
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	324.5		
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.589999974		
AbsHwPos_HwPosSource_Cnt_M_u16	1572		
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID		
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-369.899994		
AbsHwPos_RelHwPos_HwDeg_M_f32	-369.899994		
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	42415		
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6461.77002		
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.589999974		
AbsHwPos_TempHwPos_HwDeg_M_f32	-2661.79004		
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1084.01001		
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1		
AbsHwPos_VehCntrValid_Cnt_M_lgc	1		
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus		
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos		
k_HwPosAuthorityStep_Uls_f32	0.769999981		
k_HwPosOutputLPFError_HwDeg_f32	733.700012		
k_I2CHwAuthority_Uls_f32	0.769999981		
k_MaxSensorlessAuthority_Uls_f32	0.860000014		
k_MaxVehCntrOffDiff_HwDeg_f32	882.200012		
k_MinSensorlessAuthority_Uls_f32	0.769999981		
k_TurnsCntrAuthority_Uls_f32	0.769999981		
k_UseTurnsCntr_Cnt_lgc	0		
k_VehCntrOffValidLimit_HwDeg_f32	733.700012		
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0		
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0		
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-251.699997		
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1		
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.860000014		
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-980.599976		
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	150		
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2385.5		
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9547		
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-369.899994	-369.899994 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.589999974	0.589999974 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-1437.41101	-1437.41113 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1572	1572	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1437.41101	-1437.41113 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6461.77002	6461.77002 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.589999974	0.589999974 ± 0.004	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_TempHwPos_HwDeg_M_f32	-2661.79004	-2661.79004 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	106.369995	106.370003 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.589999974	0.589999974 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1437.41101	-1437.41113 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1572	1572	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	106.369995	106.370003 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 2.123 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-325.320007	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.790000021	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	471.600006	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.600000024	
AbsHwPos_HwPosSource_Cnt_M_u16	1684	
AbsHwPos_HwPosState_Cnt_M_enum	3	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	120.199997	
AbsHwPos_RelHwPos_HwDeg_M_f32	120.199997	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	42913	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	6602.50977	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.600000024	
AbsHwPos_TempHwPos_HwDeg_M_f32	2802.53003	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	3224.75	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.779999971	
k_HwPosOutputLPFError_HwDeg_f32	763.400024	
k_I2CHwAuthority_Uls_f32	0.779999971	
k_MaxSensorlessAuthority_Uls_f32	0.870000005	
k_MaxVehCntrOffDiff_HwDeg_f32	911.900024	
k_MinSensorlessAuthority_Uls_f32	0.779999971	
k_TurnsCntrAuthority_Uls_f32	0.779999971	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	763.400024	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-232	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.870000005	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-960.900024	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	160	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2415.69995	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9671	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	120.199997	120.199997 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.0100000501	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1870.15796	1870.15796 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1870.15796	1870.15796 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	2802.53003	2802.53003 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	635.580017	635.580017 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.0100000501	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	635.580017	635.580017 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Case 3: Path Test

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

CPU Cycles:

```
TS3.1 1467.00 Cycles
TS3.2 2915.00 Cycles
TS3.3 1421.00 Cycles
TS3.4 1965.00 Cycles
TS3.5 2827.00 Cycles
TS3.6 2340.00 Cycles
TS3.7 2783.00 Cycles
TS3.8 1341.00 Cycles
TS3.9 1836.00 Cycles
TS3.10 1374.00 Cycles
TS3.11 1438.00 Cycles
TS3.12 1850.00 Cycles
TS3.13 1896.00 Cycles
TS3.14 1860.00 Cycles
TS3.15 1365.00 Cycles
TS3.16 1895.00 Cycles
TS3.17 1844.00 Cycles
TS3.18 1915.00 Cycles
TS3.19 1373.00 Cycles
TS3.20 1426.00 Cycles
TS3.21 1904.00 Cycles
TS3.22 1861.00 Cycles
TS3.23 1844.00 Cycles
TS3.24 1904.00 Cycles
TS3.25 1904.00 Cycles
TS3.26 1373.00 Cycles
TS3.27 1373.00 Cycles
TS3.28 1910.00 Cycles
TS3.29 1438.00 Cycles
TS3.30 1904.00 Cycles
```

Description

Vector Description:

TS3.1"
 if ((DiagStatusHwPosReducedPerf_Cnt_T_lgc == TRUE) || (AbsHwPos_HwPosState_Cnt_M_enum ==
HWPOS_STATE_INPUTINVALID))=>False
if (AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc == TRUE)=>False
if (Abs_f32_m(AbsHwPos_TempHwPos_HwDeg_M_f32 - AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32) >=
k_HwPosOutputLPFError_HwDeg_f32)=>True
else if (AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_INIT)=>False
else if (AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_SENSORVALID)=>True
if (k_UseTurnsCntr_Cnt_lgc == FALSE)=>True
if (I2CHwAbsPosValid_Cnt_T_lgc == TRUE)=>False"
TS3.2"
 if ((DiagStatusHwPosReducedPerf_Cnt_T_lgc == TRUE) ||
       (AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_INPUTINVALID))=>True
 if (DiagStatusHwPosReducedPerf_Cnt_T_lgc == TRUE)=>True
if (AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc == TRUE)=>True
if (Abs_f32_m(VehCntrOffset_HwDeg_T_f32) <= k_VehCntrOffValidLimit_HwDeg_f32)=>False
if ((Abs_f32_m(Rte_Pim_EOLVehCntrOffset()->EOLVehCntrOffset_HwDeg_f32 - D_INVALIDOFFSET_HWDEG_F32)) < FLT_EPSILON)=>True
if(NvMStatus_Cnt_T_enum != NVM_REQ_PENDING)=>True"
TS3.3"
 if ((DiagStatusHwPosReducedPerf_Cnt_T_lgc == TRUE) =>False||
       (AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_INPUTINVALID)=>True)
if (DiagStatusHwPosReducedPerf_Cnt_T_lgc == TRUE)=>False"
TS3.4"
if (Abs_f32_m(VehCntrOffset_HwDeg_T_f32) < k_VehCntrOffValidLimit_HwDeg_f32)=>True
if((Abs_f32_m(Rte_Pim_EOLVehCntrOffset()->EOLVehCntrOffset_HwDeg_f32 - AbsHwPos_VehCntrOffset_HwDeg_M_f32) >
k_MaxVehCntrOffDiff_HwDeg_f32) &&
     (NvMStatus_Cnt_T_enum != NVM_REQ_PENDING))=>True"
TS3.5"
if((Abs_f32_m(Rte_Pim_EOLVehCntrOffset()->EOLVehCntrOffset_HwDeg_f32 - AbsHwPos_VehCntrOffset_HwDeg_M_f32) >
k_MaxVehCntrOffDiff_HwDeg_f32) &&
     (NvMStatus_Cnt_T_enum != NVM_REQ_PENDING))=>False"
TS3.6"
 if((Abs_f32_m(Rte_Pim_EOLVehCntrOffset()->EOLVehCntrOffset_HwDeg_f32 - AbsHwPos_VehCntrOffset_HwDeg_M_f32) >
k_MaxVehCntrOffDiff_HwDeg_f32)=>True &&
     (NvMStatus_Cnt_T_enum != NVM_REQ_PENDING))=>False"
TS3.7"
if ((Abs_f32_m(Rte_Pim_EOLVehCntrOffset()->EOLVehCntrOffset_HwDeg_f32 - D_INVALIDOFFSET_HWDEG_F32)) < FLT_EPSILON)=>False
if (TurnsCntrValidity_Cnt_T_u08 == D_TCVCOMPUTING_CNT_U08)=>False
else if (TurnsCntrValidity_Cnt_T_u08 == D_TCVVALID_CNT_U08)=>False"
TS3.8"1.7
if (Abs_f32_m(AbsHwPos_TempHwPos_HwDeg_M_f32 - AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32) >=
k_HwPosOutputLPFError_HwDeg_f32)=>False
else if (AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_SENSORVALID)=>False
else if (AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_SENSORINVALID)=>False"
TS3.9"
else if (AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_INIT)=>True
if (k_UseTurnsCntr_Cnt_lgc == TRUE)=>True
if (TurnsCntrValidity_Cnt_T_u08 == D_TCVCOMPUTING_CNT_U08)=>True"
TS3.10"
if (k_UseTurnsCntr_Cnt_lgc == TRUE)=>False
if (I2CHwAbsPosValid_Cnt_T_lgc == TRUE)=>False"
TS3.11"
if (I2CHwAbsPosValid_Cnt_T_lgc == TRUE)=>True"
TS3.12"
else if (TurnsCntrValidity_Cnt_T_u08 == D_TCVVALID_CNT_U08)=>True
if (AbsHwPos_VehCntrValid_Cnt_M_lgc == TRUE)=>False"
TS3.13"
if (AbsHwPos_VehCntrValid_Cnt_M_lgc == TRUE)=>True"
TS3.14"
if (k_UseTurnsCntr_Cnt_lgc == FALSE)=>False
 if (TurnsCntrValidity_Cnt_T_u08 == D_TCVVALID_CNT_U08)=>True
if (AbsHwPos_VehCntrValid_Cnt_M_lgc == TRUE)=>True
if (SensorlessAuthority_Uls_T_f32 >= k_MaxSensorlessAuthority_Uls_f32)=>True"
TS3.15"
if (I2CHwAbsPosValid_Cnt_T_lgc == TRUE)=>True"
TS3.16"
 if (TurnsCntrValidity_Cnt_T_u08 == D_TCVVALID_CNT_U08)=>False"
TS3.17"
if (AbsHwPos_VehCntrValid_Cnt_M_lgc == TRUE)=>False
if (SensorlessAuthority_Uls_T_f32 >= k_MinSensorlessAuthority_Uls_f32)=>True
if (SensorlessAuthority_Uls_T_f32 >= k_MaxSensorlessAuthority_Uls_f32)=>False"
TS3.18"
if (SensorlessAuthority_Uls_T_f32 >= k_MinSensorlessAuthority_Uls_f32)=>False"
TS3.19"
else if (AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_SENSORINVALID)=>True
if ((k_UseTurnsCntr_Cnt_lgc == FALSE)=>True &&
       (I2CHwAbsPosValid_Cnt_T_lgc == TRUE)=>False)
if (k_UseTurnsCntr_Cnt_lgc == TRUE)=>False
if (SensorlessAuthority_Uls_T_f32 >= k_MinSensorlessAuthority_Uls_f32)=>True
if (SensorlessAuthority_Uls_T_f32 >= k_MaxSensorlessAuthority_Uls_f32)=>True"
TS3.20"
if ((k_UseTurnsCntr_Cnt_lgc == FALSE) &&
       (I2CHwAbsPosValid_Cnt_T_lgc == TRUE))=>True"
TS3.21"
if ((k_UseTurnsCntr_Cnt_lgc == FALSE) &&
       (I2CHwAbsPosValid_Cnt_T_lgc == TRUE))=>False
if (k_UseTurnsCntr_Cnt_lgc == TRUE)=>True
if ((Abs_f32_m(Rte_Pim_EOLVehCntrOffset()->EOLVehCntrOffset_HwDeg_f32 - D_INVALIDOFFSET_HWDEG_F32)) <
FLT_EPSILON)=>False"
TS3.22"
if (SensorlessAuthority_Uls_T_f32 >= k_MaxSensorlessAuthority_Uls_f32)=>False"
TS3.23"
if (SensorlessAuthority_Uls_T_f32 >= k_MaxSensorlessAuthority_Uls_f32)=>True"
TS3.24"

if ((Abs_f32_m(Rte_Pim_EOLVehCntrOffset()->EOLVehCntrOffset_HwDeg_f32 - D_INVALIDOFFSET_HWDEG_F32)) < FLT_EPSILON)=>True
if(NvMStatus_Cnt_T_enum != NVM_REQ_PENDING)=>True"
TS3.25if(NvMStatus_Cnt_T_enum != NVM_REQ_PENDING)=>False
TS3.26"
 if (SensorlessAuthority_Uls_T_f32 >= k_MinSensorlessAuthority_Uls_f32)=>False"
TS3.27"
 if (SensorlessAuthority_Uls_T_f32 >= k_MaxSensorlessAuthority_Uls_f32)=>False"
TS3.28"
if(NvMStatus_Cnt_T_enum != NVM_REQ_PENDING)=>False"
TS3.29"
(AbsHwPos_HandwheelAuthority_Uls_M_f32>=D_MAXAUTHORITY_ULS_F32)=>True"
TS3.30"(AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_SENSORINVALID)=False,(AbsHwPos_HwPosState_Cnt_M_enum ==
HWPOS_STATE_SENSORINVALID)=False,(AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_SENSORINVALID)=True,
(AbsHwPos_HwPosState_Cnt_M_enum == HWPOS_STATE_SENSORINVALID)=True(k_UseTurnsCntr_Cnt_lgc == FALSE) &&
        (I2CHwAbsPosValid_Cnt_T_lgc == TRUE))=False,(k_UseTurnsCntr_Cnt_lgc == TRUE)=True,
((Abs_f32_m(Rte_Pim_EOLVehCntrOffset()->EOLVehCntrOffset_HwDeg_f32 - D_INVALIDOFFSET_HWDEG_F32)) >= FLT_EPSILON)=True,
(NvMStatus_Cnt_T_enum != NVM_REQ_PENDING)=False,(SensorlessAuthority_Uls_T_f32 >= k_MinSensorlessAuthority_Uls_f32)=True,
(SensorlessAuthority_Uls_T_f32 >= k_MaxSensorlessAuthority_Uls_f32)=True,(AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc == TRUE)=False"

Test Step 3.1 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-10125
AbsHwPos_HandwheelAuthority_Uls_M_f32	0
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-1600
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0
AbsHwPos_HwPosSource_Cnt_M_u16	1
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1600
AbsHwPos_RelHwPos_HwDeg_M_f32	-10125
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-11725
AbsHwPos_TargetHwAuthority_Uls_M_f32	0
AbsHwPos_TempHwPos_HwDeg_M_f32	-11725
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0
k_HwPosOutputLPFError_HwDeg_f32	0
k_I2CHwAuthority_Uls_f32	0
k_MaxSensorlessAuthority_Uls_f32	0
k_MaxVehCntrOffDiff_HwDeg_f32	0
k_MinSensorlessAuthority_Uls_f32	0
k_TurnsCntrAuthority_Uls_f32	0
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	0
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-900
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-1600
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	0
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-10125	-10125 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-1600	-1600 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1	1	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1600	-1600 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-11725	-11725 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-11725	-11725 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1600	-1600 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	0	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1	1	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600	-1600 ± 0.009	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 3.2 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	10125	
AbsHwPos_HandwheelAuthority_Uls_M_f32	1	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1600	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	1	
AbsHwPos_HwPosSource_Cnt_M_u16	65534	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1600	
AbsHwPos_RelHwPos_HwDeg_M_f32	10125	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	11725	
AbsHwPos_TargetHwAuthority_Uls_M_f32	1	
AbsHwPos_TempHwPos_HwDeg_M_f32	11725	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	1	
k_HwPosOutputLPFError_HwDeg_f32	1620	
k_I2CHwAuthority_Uls_f32	1	
k_MaxSensorlessAuthority_Uls_f32	1	
k_MaxVehCntrOffDiff_HwDeg_f32	1600	
k_MinSensorlessAuthority_Uls_f32	1	
k_TurnsCntrAuthority_Uls_f32	1	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	1600	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	900	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	1	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1600	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	255	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	10125	10125 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	11725	11725 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	11725	11725 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	11725	11725 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 3.3 (Repeat Count = 1)	✔
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	9556.42969
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.75999999
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	204.899994
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.75999999
AbsHwPos_HwPosSource_Cnt_M_u16	1348
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	442.940002
AbsHwPos_RelHwPos_HwDeg_M_f32	442.940002
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26817
AbsHwPos_SrlComHwPos_HwDeg_M_f32	123.400002
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.75999999
AbsHwPos_TempHwPos_HwDeg_M_f32	5054.37012
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8178.93018
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.75
k_HwPosOutputLPFError_HwDeg_f32	674.299988
k_I2CHwAuthority_Uls_f32	0.75
k_MaxSensorlessAuthority_Uls_f32	0.839999974
k_MaxVehCntrOffDiff_HwDeg_f32	822.799988
k_MinSensorlessAuthority_Uls_f32	0.75
k_TurnsCntrAuthority_Uls_f32	0.75
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	674.299988
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-291.100006
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.839999974
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1587.5
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	128
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2325.1001

Name	Input Value
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	9299
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	442.940002	442.940002 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.75999999	0.75999999 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	3890.49731	3890.49731 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1348	1348	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	3890.49731	3890.49731 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	26817	26817	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	123.400002	123.400002 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.75999999	0.75999999 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	5054.37012	5054.37012 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8178.93018	8178.93018 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.75999999	0.75999999 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1348	1348	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	26817	26817	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	123.400002	123.400002 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	2325.1001	2325.1001 ± 0.009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 3.4 (Repeat Count = 1)	✔
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1617.32996
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.409999996
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1527.19995
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.409999996
AbsHwPos_HwPosSource_Cnt_M_u16	400
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	224.100006
AbsHwPos_RelHwPos_HwDeg_M_f32	224.100006
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24657
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-3928.44995
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.409999996
AbsHwPos_TempHwPos_HwDeg_M_f32	-7755.08984
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1555.08997
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.400000006
k_HwPosOutputLPFError_HwDeg_f32	1565.30005
k_I2CHwAuthority_Uls_f32	0.400000006
k_MaxSensorlessAuthority_Uls_f32	0.49000001
k_MaxVehCntrOffDiff_HwDeg_f32	0
k_MinSensorlessAuthority_Uls_f32	0.400000006

Name	Input Value
k_TurnsCntrAuthority_Uls_f32	0.400000006
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1208.90002
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	602.599976
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.49000001
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	884
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	224
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1268.09998
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	4959
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	224.100006	224.100006 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-2278.53882	-2278.53882 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-2278.53882	-2278.53882 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-7755.08984	-7755.08984 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	733.329956	733.330017 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	733.329956	733.330017 ± 0.0009	✓

Test Step Call Trace   ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 3.5 (Repeat Count = 1)   ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	898.809998
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.430000007
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	567.400024
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.430000007
AbsHwPos_HwPosSource_Cnt_M_u16	416
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	243.300003
AbsHwPos_RelHwPos_HwDeg_M_f32	243.300003
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	24801

Name	Input Value
AbsHwPos_SrlComHwPos_HwDeg_M_f32	4209.93018
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.430000007
AbsHwPos_TempHwPos_HwDeg_M_f32	-409.950012
AbsHwPos_VehCntrOffset_HwDeg_M_f32	7543.18018
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.419999987
k_HwPosOutputLPFError_HwDeg_f32	50.5999985
k_I2CHwAuthority_Uls_f32	0.419999987
k_MaxSensorlessAuthority_Uls_f32	0.50999999
k_MaxVehCntrOffDiff_HwDeg_f32	1416.80005
k_MinSensorlessAuthority_Uls_f32	0.419999987
k_TurnsCntrAuthority_Uls_f32	0.419999987
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1268.30005
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	642.799988
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.50999999
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	924.200012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	236
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1328.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	5207
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	243.300003	243.300003 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.0100000203	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	147.139496	147.139496 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	147.139496	147.139496 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-409.950012	-409.950012 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-25.3900146	-25.3899994 ± 0.00009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.0100000203	0.00999999978 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	147.139496	147.139496 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1328.5	1328.5 ± 0.009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 3.6 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1000.25
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.600000024
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	281
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.600000024
AbsHwPos_HwPosSource_Cnt_M_u16	4596
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1031.06006
AbsHwPos_RelHwPos_HwDeg_M_f32	123.400002
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	33949
AbsHwPos_SrlComHwPos_HwDeg_M_f32	281
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.600000024
AbsHwPos_TempHwPos_HwDeg_M_f32	1395.13
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.140000001
k_HwPosOutputLPFError_HwDeg_f32	1149.5
k_I2CHwAuthority_Uls_f32	0.140000001
k_MaxSensorlessAuthority_Uls_f32	0.230000004
k_MaxVehCntrOffDiff_HwDeg_f32	110
k_MinSensorlessAuthority_Uls_f32	0.140000001
k_TurnsCntrAuthority_Uls_f32	0.140000001
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1535.59998
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	100.099998
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.230000004
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-448.700012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	244
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5719.3999
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	12895
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	123.400002	123.400002 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.460000038	0.460000008 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1395.13	1395.13 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1395.13	1395.13 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	1395.13	1395.13 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1448.94995	1448.94995 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.460000038	0.460000008 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1395.13	1395.13 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔

Name	Actual Value	Expected Value	Result
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	5719.3999	5719.3999 ± 0.009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 3.7 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	269.209991	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.200000003	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	605.179993	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.200000003	
AbsHwPos_HwPosSource_Cnt_M_u16	96	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1507.09998	
AbsHwPos_RelHwPos_HwDeg_M_f32	1507.09998	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21921	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8920.66016	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.200000003	
AbsHwPos_TempHwPos_HwDeg_M_f32	202.529999	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1358.69995	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.200000003	
k_HwPosOutputLPFError_HwDeg_f32	436.700012	
k_I2CHwAuthority_Uls_f32	0.200000003	
k_MaxSensorlessAuthority_Uls_f32	0.109999999	
k_MaxVehCntrOffDiff_HwDeg_f32	139.699997	
k_MinSensorlessAuthority_Uls_f32	0.200000003	
k_TurnsCntrAuthority_Uls_f32	0.200000003	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	80.3000031	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	120.199997	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.109999999	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	120.199997	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	255	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	120.5	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	247	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1507.09998	1507.09998 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	524.650024	524.650024 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	524.650024	524.650024 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8920.66016	8920.66016 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	202.529999	202.529999 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1358.69995	1358.69995 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	524.650024	524.650024 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	120.5	120.5 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 3.8 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	691.429993	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.5	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-666.02002	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.5	
AbsHwPos_HwPosSource_Cnt_M_u16	120	
AbsHwPos_HwPosState_Cnt_M_enum	6	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	567.400024	
AbsHwPos_RelHwPos_HwDeg_M_f32	567.400024	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22137	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8602.78027	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.5	
AbsHwPos_TempHwPos_HwDeg_M_f32	120.199997	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-980.599976	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.5	
k_HwPosOutputLPFError_HwDeg_f32	525.799988	
k_I2CHwAuthority_Uls_f32	0.5	
k_MaxSensorlessAuthority_Uls_f32	0.140000001	
k_MaxVehCntrOffDiff_HwDeg_f32	228.800003	
k_MinSensorlessAuthority_Uls_f32	0.5	
k_TurnsCntrAuthority_Uls_f32	0.5	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	169.399994	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	180.5	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.140000001	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	180.5	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	14	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	211.100006	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	619	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	

TEST DETAILS REPORT

AbsHwPos_Per2

2017-02-06, 14:29:50+0530

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	567.400024	567.400024 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.5	0.5 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	120.199997	120.199997 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	120	120	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	120.199997	120.199997 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22137	22137	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8602.78027	8602.78027 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.5	0.5 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	120.199997	120.199997 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-980.599976	-980.599976 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.5	0.5 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	120.199997	120.199997 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	120	120	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	22137	22137	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	211.100006	211.100006 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 3.9 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	128.470001
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.100000001
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	584.900024
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.100000001
AbsHwPos_HwPosSource_Cnt_M_u16	88
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1487
AbsHwPos_RelHwPos_HwDeg_M_f32	1487
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21849
AbsHwPos_SrlComHwPos_HwDeg_M_f32	9026.62012
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.100000001
AbsHwPos_TempHwPos_HwDeg_M_f32	2802.53003
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1328.5
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.100000001
k_HwPosOutputLPFError_HwDeg_f32	407
k_I2CHwAuthority_Uls_f32	0.100000001
k_MaxSensorlessAuthority_Uls_f32	0.100000001
k_MaxVehCntrOffDiff_HwDeg_f32	110
k_MinSensorlessAuthority_Uls_f32	0.100000001
k_TurnsCntrAuthority_Uls_f32	0.100000001
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	50.5999985
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	100.099998
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.100000001
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	100.099998
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	0

Name	Input Value
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	90.3000031
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	123
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1487	1487 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	806.663025	806.663025 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	806.663025	806.663025 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	9026.62012	9026.62012 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	2802.53003	2802.53003 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1328.5	1328.5 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	806.663025	806.663025 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	90.3000031	90.3000031 ± 0.00009	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 3.10 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	972.909973
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.699999988
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	706.580017
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.699999988
AbsHwPos_HwPosSource_Cnt_M_u16	136
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1000.29999
AbsHwPos_RelHwPos_HwDeg_M_f32	-1000.29999
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22281
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-8390.86035
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.699999988
AbsHwPos_TempHwPos_HwDeg_M_f32	160.399994
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-941.200012
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.699999988
k_HwPosOutputLPFError_HwDeg_f32	585.200012
k_I2CHwAuthority_Uls_f32	0.699999988
k_MaxSensorlessAuthority_Uls_f32	0.159999996

Name	Input Value
k_MaxVehCntrOffDiff_HwDeg_f32	288.200012
k_MinSensorlessAuthority_Uls_f32	0.699999988
k_TurnsCntrAuthority_Uls_f32	0.699999988
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	228.800003
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	220.699997
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.159999996
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	220.699997
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	26
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	271.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	867
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-1000.29999	-1000.29999 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	324.253998	324.253998 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	324.253998	324.253998 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-8390.86035	-8390.86035 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	160.399994	160.399994 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-941.200012	-941.200012 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	324.253998	324.253998 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	271.5	271.5 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 3.11 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1395.13
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.109999999
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	767.419983
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.109999999
AbsHwPos_HwPosSource_Cnt_M_u16	160
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1547.30005
AbsHwPos_RelHwPos_HwDeg_M_f32	1547.30005
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22497
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-8072.97021

Name	Input Value
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.109999999
AbsHwPos_TempHwPos_HwDeg_M_f32	220.699997
AbsHwPos_VehCntrOffset_HwDeg_M_f32	664.099976
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.100000001
k_HwPosOutputLPFError_HwDeg_f32	674.299988
k_I2CHwAuthority_Uls_f32	0.100000001
k_MaxSensorlessAuthority_Uls_f32	0.189999998
k_MaxVehCntrOffDiff_HwDeg_f32	377.299988
k_MinSensorlessAuthority_Uls_f32	0.100000001
k_TurnsCntrAuthority_Uls_f32	0.100000001
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	317.899994
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	281
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.189999998
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	281
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	44
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	362.100006
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1239
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1547.30005	1547.30005 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.100000001	0.100000001 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	713.913757	713.913818 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	2	2	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	713.913757	713.913818 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	281	281 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.100000001	0.100000001 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	281	281 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	664.099976	664.099976 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.100000001	0.100000001 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	713.913757	713.913818 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2	2	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	281	281 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 3.12 (Repeat Count = 1) ✓

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-409.950012
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.300000012
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	625.460022
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.300000012
AbsHwPos_HwPosSource_Cnt_M_u16	104
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1527.19995
AbsHwPos_RelHwPos_HwDeg_M_f32	1527.19995
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21993
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8814.7002
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.300000012
AbsHwPos_TempHwPos_HwDeg_M_f32	9802.53027
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1388.90002
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.300000012
k_HwPosOutputLPFError_HwDeg_f32	466.399994
k_I2CHwAuthority_Uls_f32	0.300000012
k_MaxSensorlessAuthority_Uls_f32	0.119999997
k_MaxVehCntrOffDiff_HwDeg_f32	169.399994
k_MinSensorlessAuthority_Uls_f32	0.300000012
k_TurnsCntrAuthority_Uls_f32	0.300000012
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	110
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	140.300003
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.119999997
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	140.300003
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	150.699997
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	371
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1527.19995	1527.19995 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	3378.58105	3378.58105 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	3378.58105	3378.58105 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	8814.7002	8814.7002 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	9802.53027	9802.53027 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1388.90002	1388.90002 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓

Name	Actual Value	Expected Value	Result
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	150.699997	150.699997 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 3.13 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-7306.20996	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.529999971	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	139.100006	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.529999971	
AbsHwPos_HwPosSource_Cnt_M_u16	9496	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	389.200012	
AbsHwPos_RelHwPos_HwDeg_M_f32	389.200012	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25521	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	5617.33008	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.529999971	
AbsHwPos_TempHwPos_HwDeg_M_f32	1817.34998	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	691.429993	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.519999981	
k_HwPosOutputLPFError_HwDeg_f32	347.600006	
k_I2CHwAuthority_Uls_f32	0.519999981	
k_MaxSensorlessAuthority_Uls_f32	0.610000014	
k_MaxVehCntrOffDiff_HwDeg_f32	139.699997	
k_MinSensorlessAuthority_Uls_f32	0.519999981	
k_TurnsCntrAuthority_Uls_f32	0	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	1565.30005	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	843.799988	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.610000014	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1125.19995	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-862.400024	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	6447	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	389.200012	389.200012 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999046	0.00999999978 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-4173.37207	-4173.37207 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1	1	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-4173.37207	-4173.37207 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-7997.64014	-7997.64014 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_TempHwPos_HwDeg_M_f32	-7997.64014	-7997.64014 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	691.429993	691.429993 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999046	0.00999999978 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1	1	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✓
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 3.14 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-1676.60999	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.129999995	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-807.97998	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.129999995	
AbsHwPos_HwPosSource_Cnt_M_u16	176	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-901.799988	
AbsHwPos_RelHwPos_HwDeg_M_f32	-901.799988	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22641	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7861.0498	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.129999995	
AbsHwPos_TempHwPos_HwDeg_M_f32	260.899994	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	724.5	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.119999997	
k_HwPosOutputLPFError_HwDeg_f32	733.700012	
k_I2CHwAuthority_Uls_f32	0.119999997	
k_MaxSensorlessAuthority_Uls_f32	0.209999993	
k_MaxVehCntrOffDiff_HwDeg_f32	436.700012	
k_MinSensorlessAuthority_Uls_f32	0.119999997	
k_TurnsCntrAuthority_Uls_f32	0.119999997	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	377.299988	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	321.200012	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	1	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	321.200012	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	422.5	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1487	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	

Name	Input Value		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-901.799988	-901.799988 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.119999997	0.119999997 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-1015.08685	-1015.08691 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	1	1	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1015.08685	-1015.08691 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-2401.10986	-2401.11011 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.119999997	0.119999997 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-2401.10986	-2401.11011 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	724.5	724.5 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.119999997	0.119999997 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1015.08685	-1015.08691 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1	1	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 3.15 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2661.79004	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.200000003	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	949.940002	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.200000003	
AbsHwPos_HwPosSource_Cnt_M_u16	232	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-941.200012	
AbsHwPos_RelHwPos_HwDeg_M_f32	-941.200012	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23145	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	972.909973	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.200000003	
AbsHwPos_TempHwPos_HwDeg_M_f32	6883.99023	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	935.900024	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.189999998	
k_HwPosOutputLPFError_HwDeg_f32	941.599976	
k_I2CHwAuthority_Uls_f32	0.189999998	
k_MaxSensorlessAuthority_Uls_f32	0.280000001	
k_MaxVehCntrOffDiff_HwDeg_f32	644.599976	
k_MinSensorlessAuthority_Uls_f32	0.189999998	
k_TurnsCntrAuthority_Uls_f32	0.189999998	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	585.200012	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-900	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.280000001	

Name	Input Value
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	461.899994
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	98
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	633.900024
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2355
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	1
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-941.200012	-941.200012 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.189999998	0.189999998 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-900	-900 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	2	2	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-900	-900 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-900	-900 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.189999998	0.189999998 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	-900	-900 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	935.900024	935.900024 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.189999998	0.189999998 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-900	-900 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2	2	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-900	-900 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	633.900024	633.900024 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 3.16 (Repeat Count = 1)	✔
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1958.08997
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.150000006
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	848.539978
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.150000006
AbsHwPos_HwPosSource_Cnt_M_u16	192
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	126.699997
AbsHwPos_RelHwPos_HwDeg_M_f32	126.699997
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22785
AbsHwPos_SrlComHwPos_HwDeg_M_f32	269.209991
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.150000006
AbsHwPos_TempHwPos_HwDeg_M_f32	301.100006
AbsHwPos_VehCntrOffset_HwDeg_M_f32	784.900024
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.140000001
k_HwPosOutputLPFError_HwDeg_f32	793.099976
k_I2CHwAuthority_Uls_f32	0.140000001

Name	Input Value
k_MaxSensorlessAuthority_Uls_f32	0.230000004
k_MaxVehCntrOffDiff_HwDeg_f32	496.100006
k_MinSensorlessAuthority_Uls_f32	0.140000001
k_TurnsCntrAuthority_Uls_f32	0.140000001
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	436.700012
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	461.899994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.230000004
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	-1600
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	68
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	482.899994
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1735
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	126.699997	126.699997 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.150000006	0.150000006 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	301.100006	301.100006 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	192	192	✔
AbsHwPos_HwPosState_Cnt_M_u16	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	301.100006	301.100006 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	269.209991	269.209991 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.150000006	0.150000006 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	301.100006	301.100006 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	784.900024	784.900024 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.150000006	0.150000006 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	301.100006	301.100006 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	192	192	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	269.209991	269.209991 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	482.899994	482.899994 ± 0.0009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 3.17 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	3787.70996
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.280000001
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1112.18005
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.280000001
AbsHwPos_HwPosSource_Cnt_M_u16	296
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1207.09998

Name	Input Value
AbsHwPos_RelHwPos_HwDeg_M_f32	1207.09998
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23721
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2098.83008
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.280000001
AbsHwPos_TempHwPos_HwDeg_M_f32	8009.91016
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1132.57996
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.270000011
k_HwPosOutputLPFError_HwDeg_f32	1179.19995
k_I2CHwAuthority_Uls_f32	0.270000011
k_MaxSensorlessAuthority_Uls_f32	1
k_MaxVehCntrOffDiff_HwDeg_f32	882.200012
k_MinSensorlessAuthority_Uls_f32	0.270000011
k_TurnsCntrAuthority_Uls_f32	0.270000011
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	822.799988
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-271.399994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.360000014
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	622.700012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	875.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3347
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1207.09998	1207.09998 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.360000014	0.360000014 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	622.700012	622.700012 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	622.700012	622.700012 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2098.83008	2098.83008 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.360000014	0.360000014 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	622.700012	622.700012 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1132.57996	-1132.57996 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.360000014	0.360000014 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	622.700012	622.700012 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	875.5	875.5 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 3.18 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	4209.93018
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.310000002
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1173.02002
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.310000002
AbsHwPos_HwPosSource_Cnt_M_u16	320
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-448.700012
AbsHwPos_RelHwPos_HwDeg_M_f32	-448.700012
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23937
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2521.05005
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.310000002
AbsHwPos_TempHwPos_HwDeg_M_f32	8814.7002
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8814.7002
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.200000003
k_HwPosOutputLPFError_HwDeg_f32	1268.30005
k_I2CHwAuthority_Uls_f32	0.200000003
k_MaxSensorlessAuthority_Uls_f32	0.389999986
k_MaxVehCntrOffDiff_HwDeg_f32	1060.40002
k_MinSensorlessAuthority_Uls_f32	1
k_TurnsCntrAuthority_Uls_f32	0.200000003
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	911.900024
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-212.300003
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.389999986
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	683
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	966.099976
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3719
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-448.700012	-448.700012 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.109999999	0.109999999 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	3541.94092	3541.94092 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	320	320	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	3541.94092	3541.94092 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2521.05005	2521.05005 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	8814.7002	8814.7002 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	8814.7002	8814.7002 ± 0.009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.109999999	0.109999999 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	320	320	✔

Name	Actual Value	Expected Value	Result
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 3.19 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1535.87	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.119999997	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	787.700012	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.119999997	
AbsHwPos_HwPosSource_Cnt_M_u16	168	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1567.40002	
AbsHwPos_RelHwPos_HwDeg_M_f32	1567.40002	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22569	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7967.00977	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.119999997	
AbsHwPos_TempHwPos_HwDeg_M_f32	240.800003	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	694.299988	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.109999999	
k_HwPosOutputLPFError_HwDeg_f32	704	
k_I2CHwAuthority_Uls_f32	0.109999999	
k_MaxSensorlessAuthority_Uls_f32	0.200000003	
k_MaxVehCntrOffDiff_HwDeg_f32	407	
k_MinSensorlessAuthority_Uls_f32	0.109999999	
k_TurnsCntrAuthority_Uls_f32	0.109999999	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	347.600006	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	301.100006	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.200000003	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	301.100006	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	50	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	392.299988	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1363	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	
Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1567.40002	1567.40002 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.200000003	0.200000003 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	729.307983	729.307983 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	729.307983	729.307983 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	301.100006	301.100006 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.200000003	0.200000003 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	301.100006	301.100006 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	694.299988	694.299988 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.200000003	0.200000003 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	729.307983	729.307983 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	301.100006	301.100006 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	392.299988	392.299988 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 3.20 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	2802.53003	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.209999993	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	970.219971	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.209999993	
AbsHwPos_HwPosSource_Cnt_M_u16	240	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-921.5	
AbsHwPos_RelHwPos_HwDeg_M_f32	-921.5	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23217	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	1113.65002	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.209999993	
AbsHwPos_TempHwPos_HwDeg_M_f32	7024.72998	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	966.099976	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.200000003	
k_HwPosOutputLPFError_HwDeg_f32	971.299988	
k_I2CHwAuthority_Uls_f32	0.200000003	
k_MaxSensorlessAuthority_Uls_f32	0.289999992	
k_MaxVehCntrOffDiff_HwDeg_f32	674.299988	
k_MinSensorlessAuthority_Uls_f32	0.200000003	
k_TurnsCntrAuthority_Uls_f32	0.200000003	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	614.900024	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	900	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.289999992	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	482	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	104	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	664.099976	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2479	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	

Name	Input Value
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-921.5	-921.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.200000003	0.200000003 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	955.473755	955.473816 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	2	2	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	955.473755	955.473816 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	900	900 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.200000003	0.200000003 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	900	900 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	966.099976	966.099976 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.200000003	0.200000003 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	955.473755	955.473816 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2	2	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	900	900 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	664.099976	664.099976 ± 0.0009	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus		1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✔

Test Step 3.21 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2239.57007	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.170000002	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	889.099976	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.170000002	
AbsHwPos_HwPosSource_Cnt_M_u16	208	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	151.5	
AbsHwPos_RelHwPos_HwDeg_M_f32	151.5	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22929	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	550.690002	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.170000002	
AbsHwPos_TempHwPos_HwDeg_M_f32	6461.77002	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	845.299988	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.159999996	
k_HwPosOutputLPFError_HwDeg_f32	852.5	
k_I2CHwAuthority_Uls_f32	0.159999996	
k_MaxSensorlessAuthority_Uls_f32	0.25	
k_MaxVehCntrOffDiff_HwDeg_f32	555.5	
k_MinSensorlessAuthority_Uls_f32	0.159999996	
k_TurnsCntrAuthority_Uls_f32	0.159999996	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	496.100006	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	502.100006	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.25	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	0	

Name	Input Value
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	80
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	543.299988
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1983
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	151.5	151.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.25	0.25 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	0	0 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.25	0.25 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.25	0.25 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	0	0 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 3.22 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-1676.60999
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.129999995
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-807.97998
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.129999995
AbsHwPos_HwPosSource_Cnt_M_u16	176
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-901.799988
AbsHwPos_RelHwPos_HwDeg_M_f32	-901.799988
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22641
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7861.0498
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.129999995
AbsHwPos_TempHwPos_HwDeg_M_f32	260.899994
AbsHwPos_VehCntrOffset_HwDeg_M_f32	724.5
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.119999997

Name	Input Value
k_HwPosOutputLPFError_HwDeg_f32	733.700012
k_I2CHwAuthority_Uls_f32	0.119999997
k_MaxSensorlessAuthority_Uls_f32	0.209999993
k_MaxVehCntrOffDiff_HwDeg_f32	436.700012
k_MinSensorlessAuthority_Uls_f32	0.119999997
k_TurnsCntrAuthority_Uls_f32	0.119999997
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	377.299988
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	321.200012
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.100000001
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	321.200012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	422.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1487
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	0
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	-901.799988	-901.799988 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.119999997	0.119999997 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	-1015.08685	-1015.08691 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	1	1	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	-1015.08685	-1015.08691 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-2401.10986	-2401.11011 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.119999997	0.119999997 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	-2401.10986	-2401.11011 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	724.5	724.5 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.119999997	0.119999997 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	-1015.08685	-1015.08691 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	1	1	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	-1600	-1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	422.5	422.5 ± 0.0009	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus		1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✓

Test Step 3.23 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	3787.70996	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.280000001	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1112.18005	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.280000001	
AbsHwPos_HwPosSource_Cnt_M_u16	296	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	

Name	Input Value
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1207.09998
AbsHwPos_RelHwPos_HwDeg_M_f32	1207.09998
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	23721
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2098.83008
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.280000001
AbsHwPos_TempHwPos_HwDeg_M_f32	8009.91016
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1132.57996
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.270000011
k_HwPosOutputLPFError_HwDeg_f32	1179.19995
k_I2CHwAuthority_Uls_f32	0.270000011
k_MaxSensorlessAuthority_Uls_f32	0.340000004
k_MaxVehCntrOffDiff_HwDeg_f32	882.200012
k_MinSensorlessAuthority_Uls_f32	0.270000011
k_TurnsCntrAuthority_Uls_f32	0.270000011
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	822.799988
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	-271.399994
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.360000014
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	622.700012
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	100
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	875.5
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3347
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	3
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1207.09998	1207.09998 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.360000014	0.360000014 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	622.700012	622.700012 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	622.700012	622.700012 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	2098.83008	2098.83008 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.360000014	0.360000014 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	622.700012	622.700012 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1132.57996	-1132.57996 ± 0.009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.360000014	0.360000014 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	622.700012	622.700012 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_WriteBlock	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 3.24 (Repeat Count = 1) ✔

Name	Input Value
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2239.57007
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.170000002
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	889.099976
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.170000002
AbsHwPos_HwPosSource_Cnt_M_u16	208
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	151.5
AbsHwPos_RelHwPos_HwDeg_M_f32	151.5
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22929
AbsHwPos_SrlComHwPos_HwDeg_M_f32	550.690002
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.170000002
AbsHwPos_TempHwPos_HwDeg_M_f32	6461.77002
AbsHwPos_VehCntrOffset_HwDeg_M_f32	845.299988
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.159999996
k_HwPosOutputLPFError_HwDeg_f32	852.5
k_I2CHwAuthority_Uls_f32	0.159999996
k_MaxSensorlessAuthority_Uls_f32	0.25
k_MaxVehCntrOffDiff_HwDeg_f32	555.5
k_MinSensorlessAuthority_Uls_f32	0.159999996
k_TurnsCntrAuthority_Uls_f32	0.159999996
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	496.100006
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	502.100006
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.25
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	0
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	80
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1983
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	4
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	151.5	151.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.25	0.25 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	0	0 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.25	0.25 ± 0.004	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_TempHwPos_HwDeg_M_f32	0	0 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.25	0.25 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	0	0 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✓

Test Step 3.25 (Repeat Count = 1)		✓
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2239.57007	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.170000002	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	889.099976	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.170000002	
AbsHwPos_HwPosSource_Cnt_M_u16	208	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	151.5	
AbsHwPos_RelHwPos_HwDeg_M_f32	151.5	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22929	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	550.690002	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.170000002	
AbsHwPos_TempHwPos_HwDeg_M_f32	6461.77002	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	845.299988	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.159999996	
k_HwPosOutputLPFError_HwDeg_f32	852.5	
k_I2CHwAuthority_Uls_f32	0.159999996	
k_MaxSensorlessAuthority_Uls_f32	0.25	
k_MaxVehCntrOffDiff_HwDeg_f32	555.5	
k_MinSensorlessAuthority_Uls_f32	0.159999996	
k_TurnsCntrAuthority_Uls_f32	0.159999996	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	496.100006	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	502.100006	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.25	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	0	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	80	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1983	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	

Name	Input Value		
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08		
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	151.5	151.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.25	0.25 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	0	0 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.25	0.25 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.25	0.25 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	0	0 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 3.26 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1535.87	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.119999997	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	787.700012	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.119999997	
AbsHwPos_HwPosSource_Cnt_M_u16	168	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1567.40002	
AbsHwPos_RelHwPos_HwDeg_M_f32	1567.40002	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22569	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7967.00977	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.119999997	
AbsHwPos_TempHwPos_HwDeg_M_f32	240.800003	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	694.299988	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.109999999	
k_HwPosOutputLPFError_HwDeg_f32	704	
k_I2CHwAuthority_Uls_f32	0.109999999	
k_MaxSensorlessAuthority_Uls_f32	0.200000003	
k_MaxVehCntrOffDiff_HwDeg_f32	407	
k_MinSensorlessAuthority_Uls_f32	0.409999996	
k_TurnsCntrAuthority_Uls_f32	0.109999999	
k_UseTurnsCntr_Cnt_lgc	0	
k_VehCntrOffValidLimit_HwDeg_f32	347.600006	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	301.100006	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.200000003	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	301.100006	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	50	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	392.299988	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1363	

Name	Input Value
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1567.40002	1567.40002 ± 0.0009	✓
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.00999999791	0.00999999978 ± 0.004	✓
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	722.072021	722.072021 ± 0.1	✓
AbsHwPos_HwPosSource_Cnt_M_u16	168	168	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✓
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	722.072021	722.072021 ± 0.1	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✓
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7967.00977	7967.00977 ± 0.1	✓
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✓
AbsHwPos_TempHwPos_HwDeg_M_f32	240.800003	240.800003 ± 0.1	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	694.299988	694.299988 ± 0.0009	✓
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.00999999791	0.00999999978 ± 0.004	✓
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	722.072021	722.072021 ± 0.1	✓
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	168	168	✓
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	1600	1600 ± 0.1	✓
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	392.299988	392.299988 ± 0.0009	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached		1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag		1	✓
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached		1	✓

Test Step 3.27 (Repeat Count = 1)	✓
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	1535.87
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.119999997
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	787.700012
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.119999997
AbsHwPos_HwPosSource_Cnt_M_u16	168
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1567.40002
AbsHwPos_RelHwPos_HwDeg_M_f32	1567.40002
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22569
AbsHwPos_SrlComHwPos_HwDeg_M_f32	7967.00977
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.119999997
AbsHwPos_TempHwPos_HwDeg_M_f32	240.800003
AbsHwPos_VehCntrOffset_HwDeg_M_f32	694.299988
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0
AbsHwPos_VehCntrValid_Cnt_M_lgc	0
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.109999999
k_HwPosOutputLPFError_HwDeg_f32	704
k_I2CHwAuthority_Uls_f32	0.109999999
k_MaxSensorlessAuthority_Uls_f32	0.319999993
k_MaxVehCntrOffDiff_HwDeg_f32	407
k_MinSensorlessAuthority_Uls_f32	0.109999999
k_TurnsCntrAuthority_Uls_f32	0.109999999

Name	Input Value
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	347.600006
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	301.100006
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.200000003
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	301.100006
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	50
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	392.299988
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1363
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	5
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_C	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	1567.40002	1567.40002 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.200000003	0.200000003 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	729.307983	729.307983 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	729.307983	729.307983 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	301.100006	301.100006 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.200000003	0.200000003 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	301.100006	301.100006 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	694.299988	694.299988 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.200000003	0.200000003 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	729.307983	729.307983 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	301.100006	301.100006 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	392.299988	392.299988 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 3.28 (Repeat Count = 1)	✔
Name	**Input Value**
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	10125
AbsHwPos_HandwheelAuthority_Uls_M_f32	1
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	1600
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	1
AbsHwPos_HwPosSource_Cnt_M_u16	65534
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	1600
AbsHwPos_RelHwPos_HwDeg_M_f32	10125
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535
AbsHwPos_SrlComHwPos_HwDeg_M_f32	11725
AbsHwPos_TargetHwAuthority_Uls_M_f32	1
AbsHwPos_TempHwPos_HwDeg_M_f32	11725
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535

Name	Input Value
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	1
k_HwPosOutputLPFError_HwDeg_f32	1620
k_I2CHwAuthority_Uls_f32	1
k_MaxSensorlessAuthority_Uls_f32	1
k_MaxVehCntrOffDiff_HwDeg_f32	1600
k_MinSensorlessAuthority_Uls_f32	1
k_TurnsCntrAuthority_Uls_f32	1
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1600
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	900
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	2
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	1
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1600
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	255
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	10125	10125 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	11725	11725 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INPUTINVALID	HWPOS_STATE_INPUTINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	11725	11725 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65535	65535	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0	0 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	11725	11725 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0	0 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	1600	1600 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	65534	65534	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	65535	65535	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535	65535 ± 0.09	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔	
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔	

Test Step 3.29 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	7024.72998	

Name	Input Value
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.50999999
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	114.300003
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.50999999
AbsHwPos_HwPosSource_Cnt_M_u16	480
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	320.100006
AbsHwPos_RelHwPos_HwDeg_M_f32	320.100006
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	25377
AbsHwPos_SrlComHwPos_HwDeg_M_f32	-5335.8501
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.50999999
AbsHwPos_TempHwPos_HwDeg_M_f32	1535.87
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-409.950012
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1
AbsHwPos_VehCntrValid_Cnt_M_lgc	1
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos
k_HwPosAuthorityStep_Uls_f32	0.5
k_HwPosOutputLPFError_HwDeg_f32	288.200012
k_I2CHwAuthority_Uls_f32	1
k_MaxSensorlessAuthority_Uls_f32	0.589999974
k_MaxVehCntrOffDiff_HwDeg_f32	80.3000031
k_MinSensorlessAuthority_Uls_f32	0.5
k_TurnsCntrAuthority_Uls_f32	0.5
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	1505.90002
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	803.599976
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	1
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.589999974
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	1085
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	28
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-901.799988
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	6199
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_(	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_AlignedHwPos_HwDeg_M_f32	320.100006	320.100006 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	1	1 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	465.843018	465.842987 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	2	2	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORVALID	HWPOS_STATE_SENSORVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	465.843018	465.842987 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	803.599976	803.599976 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	1	1 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	803.599976	803.599976 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-409.950012	-409.950012 ± 0.0009	✔
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	1	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	1	1 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	465.843018	465.842987 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	2	2	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	803.599976	803.599976 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-901.799988	-901.799988 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Test Step 3.30 (Repeat Count = 1)		✔
Name	**Input Value**	
AbsHwPos_AlignedRelHwPos_HwDeg_M_f32	-2239.57007	
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.170000002	
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	889.099976	
AbsHwPos_HandwheelPositionLPF_M_str.K_Uls_f32	0.170000002	
AbsHwPos_HwPosSource_Cnt_M_u16	208	
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	151.5	
AbsHwPos_RelHwPos_HwDeg_M_f32	151.5	
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	22929	
AbsHwPos_SrlComHwPos_HwDeg_M_f32	550.690002	
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.170000002	
AbsHwPos_TempHwPos_HwDeg_M_f32	6461.77002	
AbsHwPos_VehCntrOffset_HwDeg_M_f32	845.299988	
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	1	
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus(ErrorStatus)	target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	
Rte_Inst_Ap_AbsHwPos	target_Rte_Inst_Ap_AbsHwPos	
k_HwPosAuthorityStep_Uls_f32	0.159999996	
k_HwPosOutputLPFError_HwDeg_f32	852.5	
k_I2CHwAuthority_Uls_f32	0.159999996	
k_MaxSensorlessAuthority_Uls_f32	0.25	
k_MaxVehCntrOffDiff_HwDeg_f32	555.5	
k_MinSensorlessAuthority_Uls_f32	0.159999996	
k_TurnsCntrAuthority_Uls_f32	0.159999996	
k_UseTurnsCntr_Cnt_lgc	1	
k_VehCntrOffValidLimit_HwDeg_f32	496.100006	
target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc.value	0	
target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc.value	1	
target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32.value	502.100006	
target_AbsHwPos_Per2_ManufMode_Cnt_enum.value	0	
target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32.value	0.25	
target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32.value	0	
target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08.value	80	
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	543.299988	
target_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1983	
target_Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus_ErrorStatus	2	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	target_AbsHwPos_Per2_DiagStatusHwPosReducedPerf_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelAuthority_Uls_f32	target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_HwPosSource_Cnt_u16	target_AbsHwPos_Per2_HwPosSource_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	target_AbsHwPos_Per2_I2CHwAbsPosValid_Cnt_lgc	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	target_AbsHwPos_Per2_I2CHwAbsPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_ManufMode_Cnt_enum	target_AbsHwPos_Per2_ManufMode_Cnt_enum	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessAuthority_Uls_f32	target_AbsHwPos_Per2_SensorlessAuthority_Uls_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	target_AbsHwPos_Per2_SensorlessHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32	
target_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	target_AbsHwPos_Per2_TurnsCntrValidity_Cnt_u08	
target_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	target_Pim_EOLVehCntrOffset	

Name	**Actual Value**	**Expected Value**	**Result**
AbsHwPos_AlignedHwPos_HwDeg_M_f32	151.5	151.5 ± 0.0009	✔
AbsHwPos_HandwheelAuthority_Uls_M_f32	0.25	0.25 ± 0.004	✔
AbsHwPos_HandwheelPositionLPF_M_str.SV_Uls_f32	0	0 ± 0.1	✔
AbsHwPos_HwPosSource_Cnt_M_u16	3	3	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_SENSORINVALID	HWPOS_STATE_SENSORINVALID	✔
AbsHwPos_PrevHandwheelPosition_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	21845	21845	✔
AbsHwPos_SrlComHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_TargetHwAuthority_Uls_M_f32	0.25	0.25 ± 0.004	✔
AbsHwPos_TempHwPos_HwDeg_M_f32	0	0 ± 0.1	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔

Name	Actual Value	Expected Value	Result
AbsHwPos_VehCntrOfstLearn_Cnt_M_lgc	0	0	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_AbsHwPos_Per2_HandwheelAuthority_Uls_f32.value	0.25	0.25 ± 0.004	✔
target_AbsHwPos_Per2_HandwheelPosition_HwDeg_f32.value	0	0 ± 0.1	✔
target_AbsHwPos_Per2_HwPosSource_Cnt_u16.value	3	3	✔
target_AbsHwPos_Per2_SrlComHwPosStatus_Cnt_u16.value	21845	21845	✔
target_AbsHwPos_Per2_SrlComHwPos_HwDeg_f32.value	0	0 ± 0.1	✔
target_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	543.299988	543.299988 ± 0.0009	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP0_CheckpointReached	1	✔
Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	Rte_Call_Ap_AbsHwPos_EOLVehCntrOffset_GetErrorStatus	1	✔
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	Rte_Call_AbsHwPos_Per2_CP1_CheckpointReached	1	✔

Project	AbsHwPos
Module	AbsHwPos_Tcl2lVd
Test Object	AbsHwPos_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\AbsHwPos_Tcl2cVd_FDD05G
Configuration File	D:\Synergy_Work_Area\AbsHwPos_Tcl2cVd_FDD05G\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	$(SOURCEROOT)\Ap_AbsHwPos.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract -I$(PROJECTROOT)\AbsHwPos_Tcl2cVd\utp\contract\Ap_AbsHwPos -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'AbsHwPos_Tcl2lVd'	***Unit Test Description*** Name of Tester: Medha Sabale Code File(s) Under Test:Ap_AbsHwPos.c Code File(s) Version: 10 Module Design Document:Absolute_Handwheel_Position_Tcl2cVd_MDD.doc Module Design Document Version:11 Data Dictionary Version: 10 Unit Test Plan Version:3 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):3004 Total RAM Used (Bytes):64 Total CALS Used (Bytes):56 Special Test Requirements:NA Test Date:2/6/2017 Comments: NOTE 1:Inline functions defined in "Globalmacro.h" are not unit tested. NOTE 2: "CBD_Sandbox_dbg.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\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
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\AbsHwPos_TcI2cVd_FDD05G\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test ✔

Specification	`"Performance Metrics`
	`(With "None" Instrumentation and WithPS Environment"`
	
	`CPU Cycles:`
	
	`TS1.1  1113.00 Cycles`
	`TS1.2  1347.00 Cycles`

Description	Vector Description:
	
	TS1.1 Shortest Execution Path:
	
	If (Abs_m(Rte_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32) <= k_VehCntrOffValidLimit_HwDeg_f32)=>False
	
	TS1.2 Longest Execution Path:
	
	If (Abs_m(Rte_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32) <= k_VehCntrOffValidLimit_HwDeg_f32)=>True

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	393.0287978
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	710.623859
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	1
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	124
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	259.5259765
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1396.947509
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	2
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1039
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1054
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1039	1039 ± 0.009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Case 2: Range Test ✔

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

CPU Cycles:

TS2.1   1009.00 Cycles
TS2.2   1332.00 Cycles
TS2.3   1110.00 Cycles
TS2.4   1329.00 Cycles
TS2.5   1123.00 Cycles
TS2.6   1337.00 Cycles
TS2.7   1114.00 Cycles
TS2.8   1335.00 Cycles
TS2.9   1122.00 Cycles
TS2.10  1341.00 Cycles
TS2.11  1009.00 Cycles
TS2.12  1329.00 Cycles
TS2.13  1113.00 Cycles
TS2.14  1342.00 Cycles
TS2.15  1119.00 Cycles
TS2.16  1330.00 Cycles
```

Description   Vector Description:

TS2.1   All Min
TS2.2   All Max
TS2.3   Rte_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32==>Min
TS2.4   Rte_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32==>Max
TS2.5   Rte_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32==>Pos
TS2.6   Rte_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32==>Zero
TS2.7   Rte_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32==>Neg
TS2.8   k_VehCntrOffValidLimit_HwDeg_f32==>Min
TS2.9   k_VehCntrOffValidLimit_HwDeg_f32==>Max/Default
TS2.10 k_VehCntrOffValidLimit_HwDeg_f32==>Pos
TS2.11 k_HwPosOutputLPFCoeffFc_Hz_f32==>Min
TS2.12 k_HwPosOutputLPFCoeffFc_Hz_f32==>Max
TS2.13 k_HwPosOutputLPFCoeffFc_Hz_f32==>Pos/Default
TS2.14 ManufMode_Cnt_enum==>Min
TS2.15 ManufMode_Cnt_enum==>Max
TS2.16 ManufMode_Cnt_enum==>Pos

Test Step 2.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	0
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	0
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	0
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	0
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.2 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	500
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1600
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	2
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	43690
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.3 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	393.0287978
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	710.623859
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	1
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	124
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.4 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	25.18166721
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	436.9878821
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	0

Name	Input Value		
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	65535		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	589		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.5 (Repeat Count = 1) ✔

Name	Input Value		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HwPosOutputLPFCoeffFc_Hz_f32	259.5259765		
k_UseTurnsCntr_Cnt_lgc	0		
k_VehCntrOffValidLimit_HwDeg_f32	1396.947509		
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	2		
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1039.01001		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1054		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1039.01001	1039.01001 ± 0.009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.6 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	379.2717962
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1201.851037
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	1
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	0
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1519
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	0	0 ± 0.000009	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✓
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.7 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	401.1355943
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	436.9807251
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	0
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-700.02
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1984
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✓
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✓
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓

Test Step 2.8 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	162.9279281
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	0
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	2

Name	Input Value		
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	879.9430598		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2449		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value		
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos		
k_HwPosOutputLPFCoeffFc_Hz_f32	487.3372427		
k_UseTurnsCntr_Cnt_lgc	0		
k_VehCntrOffValidLimit_HwDeg_f32	1600		
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	1		
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1555.129529		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	2914		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-1555.12952	-1555.129529 ± 0.009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.10 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	402.9378512
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1434.02
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	0
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	835.0762143
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3379
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	835.076233	835.0762143 ± 0.0009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.11 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	0
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	49.55192
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	2
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1007.182555
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	3844
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 2.12 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	500
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	516.6709843
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	1

| Name	Input Value		
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	669.6303178		
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	4309		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum		
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16		
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset		

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

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

Test Step 2.13 (Repeat Count = 1)					✔
Name	**Input Value**				
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos				
k_HwPosOutputLPFCoeffFc_Hz_f32	0.212779999				
k_UseTurnsCntr_Cnt_lgc	0				
k_VehCntrOffValidLimit_HwDeg_f32	1264.996348				
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	2				
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1454.825825				
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	4774				
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16				
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum				
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16				
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset				

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

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

Test Step 2.14 (Repeat Count = 1) ✓

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	433.7
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	678
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	0
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	564.5
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	5239
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	564.5	564.5 ± 0.0009	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✓
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.15 (Repeat Count = 1) ✓

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	78
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	984
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	2
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-255
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	5704
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✓
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✓
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✓
AbsHwPos_VehCntrOffset_HwDeg_M_f32	-255	-255 ± 0.0009	✓
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✓
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓

Test Step 2.16 (Repeat Count = 1) ✓

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	64
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	127.6
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	1

Name	Input Value
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	987
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	6169
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔

Test Case 3: Path Test ✔

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

CPU Cycles:

TS3.1  1113.00 Cycles
TS3.2  1347.00 Cycles
```

Description   Vector Description:

TS3.1   (Abs_m(Rte_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32) <= k_VehCntrOffValidLimit_HwDeg_f32)=False
TS3.2   (Abs_m(Rte_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32) <= k_VehCntrOffValidLimit_HwDeg_f32)=True

Test Step 3.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	393.0287978
k_UseTurnsCntr_Cnt_lgc	0
k_VehCntrOffValidLimit_HwDeg_f32	710.623859
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	1
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	-1600
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	124
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	65535	65535 ± 0.09	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	0	0	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔

Test Step 3.2 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_AbsHwPos	tgt_Rte_Inst_Ap_AbsHwPos
k_HwPosOutputLPFCoeffFc_Hz_f32	259.5259765
k_UseTurnsCntr_Cnt_lgc	1
k_VehCntrOffValidLimit_HwDeg_f32	1396.947509
tgt_AbsHwPos_Init1_ManufMode_Cnt_enum.value	2
tgt_Pim_EOLVehCntrOffset.EOLVehCntrOffset_HwDeg_f32	1039
tgt_Pim_EOLVehCntrOffset.EOLHwPosTrimPerformed_Cnt_u16	1054
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_HwPosSource_Cnt_u16	tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_ManufMode_Cnt_enum	tgt_AbsHwPos_Init1_ManufMode_Cnt_enum
tgt_Rte_Inst_Ap_AbsHwPos.AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16	tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16
tgt_Rte_Inst_Ap_AbsHwPos.Pim_EOLVehCntrOffset	tgt_Pim_EOLVehCntrOffset

Name	Actual Value	Expected Value	Result
AbsHwPos_HwPosSource_Cnt_M_u16	65534	65534	✔
AbsHwPos_HwPosState_Cnt_M_enum	HWPOS_STATE_INIT	HWPOS_STATE_INIT	✔
AbsHwPos_SrlComHwPosStatus_Cnt_M_u16	65534	65534	✔
AbsHwPos_VehCntrOffset_HwDeg_M_f32	1039	1039 ± 0.009	✔
AbsHwPos_VehCntrValid_Cnt_M_lgc	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	504	504	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_AbsHwPos_Init1_HwPosSource_Cnt_u16.value	65534	65534	✔
tgt_AbsHwPos_Init1_SrlComHwPosStatus_Cnt_u16.value	65534	65534	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✔
Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_AbsHwPos_NxtrDiagMgr_SetNTCStatus	1	✔