Summary

Total Test Objects:	10
Successful:	7
Failed:	3
Not Executed:	0
Date:	2018-03-13
Time:	18:55:11+0530

## Overall Test Object Results (including Coverage)

- OK
- Not Executed
- Not OK
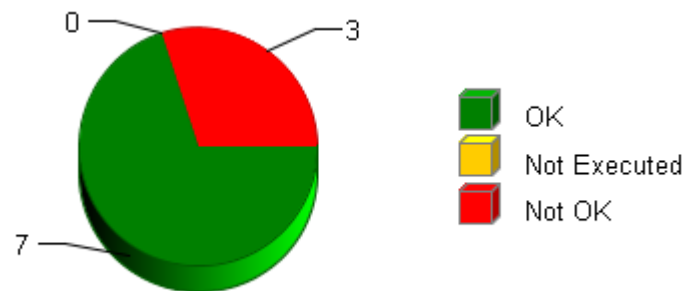
Selected Project Items

Test Object "CBD_UnitTest/ActivePull/ActivePull_Init1"
Test Object "CBD_UnitTest/ActivePull/ActivePull_Per1"
Test Object "CBD_UnitTest/ActivePull/ActivePull_Per2"
Test Object "CBD_UnitTest/ActivePull/ActivePull_Per3"
Test Object "CBD_UnitTest/ActivePull/ActivePull_SCom_ReadParam"
Test Object "CBD_UnitTest/ActivePull/ActivePull_SCom_Reset"
Test Object "CBD_UnitTest/ActivePull/ActivePull_SCom_SetLTComp"
Test Object "CBD_UnitTest/ActivePull/ActivePull_SCom_SetSTComp"
Test Object "CBD_UnitTest/ActivePull/ActivePull_Trns1"
Test Object "CBD_UnitTest/ActivePull/ActivePull_Trns2"

Used Test Environments

TI TMS 570 PLS UDE (Default)

Test Case Results for Each Test Object (without Coverage)

- OK
- Not Executed
- Not OK
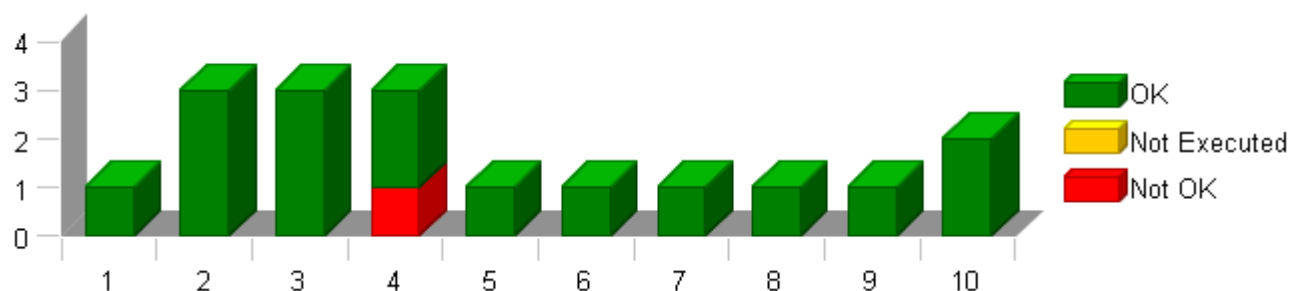
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object 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
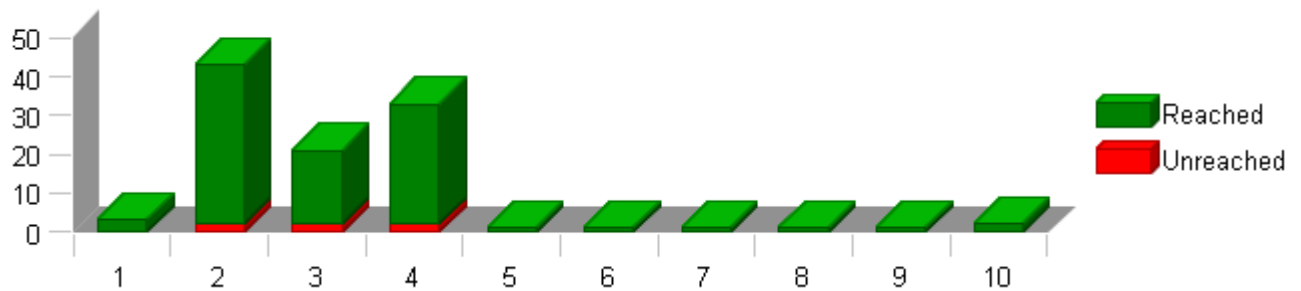
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

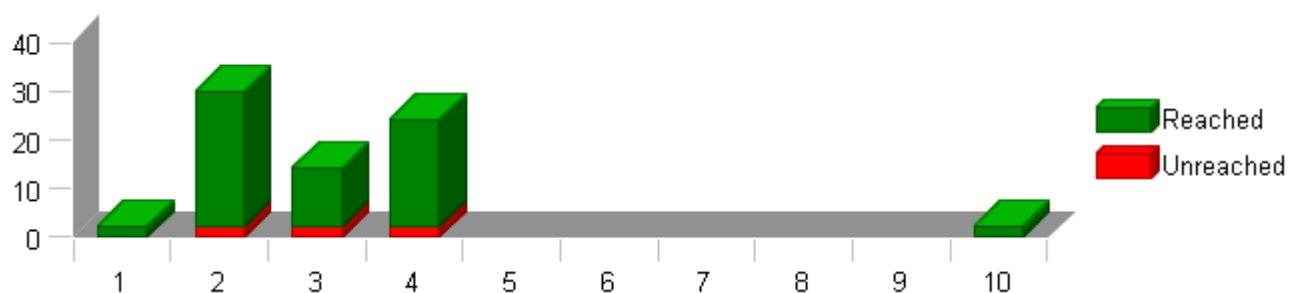## Branch (C1) Coverage: Total Branches for Each Test Object
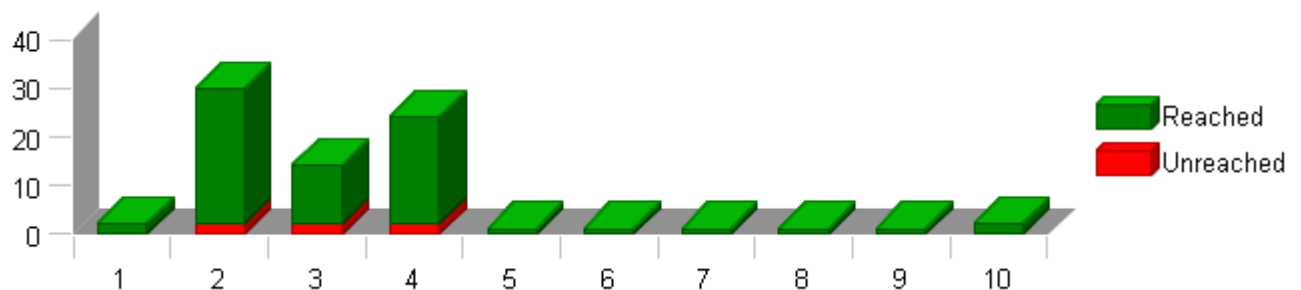
The table above shows each test object on the x axis and the number of branches of the respective test object on the y axis. Each bar is divided into reached branches (i.e. branches that have been executed during the test) and unreached branches.

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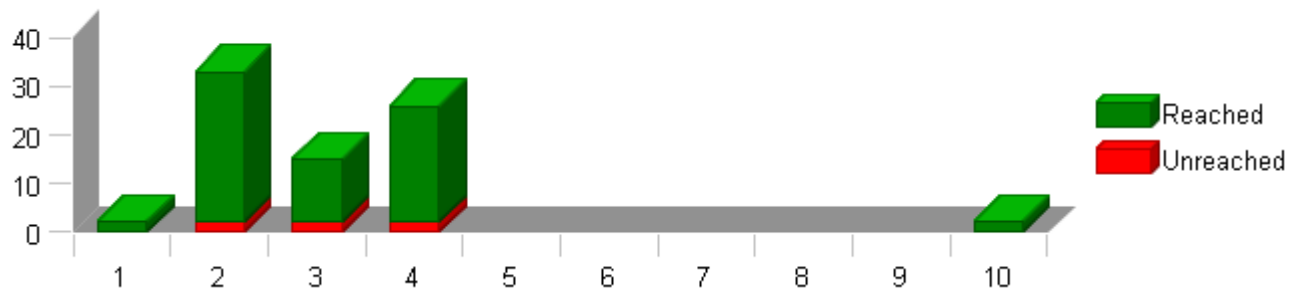
The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage,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

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	Test Cases	Result
	ActivePull	94.39 %	92.2 %	91.66 %	92.3 %	1 of 17 failed	☒
	CBD_UnitTest	94.39 %	92.2 %	91.66 %	92.3 %	1 of 17 failed	☒
	ActivePull	94.39 %	92.2 %	91.66 %	92.3 %	1 of 17 failed	☒
1	ActivePull_Init1	100 %	100 %	100 %	100 %	1 of 1 passed	✔
2	ActivePull_Per1	95.34 %	93.33 %	93.33 %	93.93 %	3 of 3 passed	☒
3	ActivePull_Per2	90.47 %	85.71 %	85.71 %	86.66 %	3 of 3 passed	☒
4	ActivePull_Per3	93.93 %	91.66 %	91.66 %	92.3 %	1 of 3 failed	☒
5	ActivePull_SCom_ReadParam	100 %	100 %	-	-	1 of 1 passed	✔
6	ActivePull_SCom_Reset	100 %	100 %	-	-	1 of 1 passed	✔
7	ActivePull_SCom_SetLTComp	100 %	100 %	-	-	1 of 1 passed	✔
8	ActivePull_SCom_SetSTComp	100 %	100 %	-	-	1 of 1 passed	✔
9	ActivePull_Trns1	100 %	100 %	-	-	1 of 1 passed	✔
10	ActivePull_Trns2	100 %	100 %	100 %	100 %	2 of 2 passed	✔

Project	ActivePull
Module	ActivePull
Test Object	ActivePull_Trns2

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) 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\SF013A_ActivePull_6.5.1_0_NoUTP
Configuration File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	$(PROJECTROOT)\ActivePull\src\Ap_ActivePull.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification	
Name	**Text**
Module 'ActivePull'	*********************************Unit Test Information************************************** Name of Tester:Pradnya Mhetre Code File(s) Under Test:Ap_ActivePull.c Code File(s) Version :22 Module Design Document:Active_Pull_Comp_MDD.docx Module Design Version: 14 Data Dictionary Version:14 Unit Test Plan Version: 16 Optimization Level:Ogeneral Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: None Model Version:Nexteer EPS Unit Test Tool 1.0 Total FLASH Used (Bytes):3156 Total RAM Used (Bytes): 124 Total CALS Used (Bytes): 148 Special Test Requirements:NA Test Date:3/13/2018 Comments: NOTE1: Inline Functions defined in GlobalMacro.h are not Unit Tested. NOTE2:"CBD_Sandbox_dbg.map" map file is embedded in UTP for reference. Note3: The Expected outputs are calculated from MATLAB model. Note4: Local functions "ActvCmpEna_lgc" and "CalcIntGain_f32" are not unit tested separately as those are tested in "ActivePull_Per1" function. Please refer the snapshot "ActivePull_ActivePullPer1_coverage". NOTE5:In function "ActivePull_Per3" output variable "PullCmp_VehSpdRate_KphpS_M_f32" is failing in TS3.10 because of precision difference. Please refer snapshots "Matlab _Values_VehSpdRate" and "Tessy_Values_VehSpdRate" for the same. **

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

Attributes

Name	Value
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(TESSY_SYSPATH)\compiler\ti\tms470\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.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
Workspace File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Range Test ✔

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

TS1.1 33.00 Cycles
TS1.2 494.00 Cycles
TS1.3 475.00 Cycles
TS1.4 33.00 Cycles
```

Description
Vector Description:

TS1.1All Min
TS1.2All Max
TS1.3PullCmpLTComp_SetRamBlockStatus==> Min
TS1.4PullCmpLTComp_SetRamBlockStatus==> Max

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value		
PullCmp_SetRamBlkSts_Cnt_M_lgc	0		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_ActivePull_PullCmpLTComp_SetRamBlockStatus(RamBlockStatus)	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		
PullCmp_SetRamBlkSts_Cnt_M_lgc	1		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_ActivePull_PullCmpLTComp_SetRamBlockStatus(RamBlockStatus)	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_ActivePull_PullCmpLTComp_SetRamBlockStatus	1	Rte_Call_Ap_ActivePull_PullCmpLTComp_SetRamBlockStatus	1	✔

Test Step 1.3 (Repeat Count = 1) ✔

Name	Input Value		
PullCmp_SetRamBlkSts_Cnt_M_lgc	1		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_ActivePull_PullCmpLTComp_SetRamBlockStatus(RamBlockStatus)	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_ActivePull_PullCmpLTComp_SetRamBlockStatus	1	Rte_Call_Ap_ActivePull_PullCmpLTComp_SetRamBlockStatus	1	✔

Test Step 1.4 (Repeat Count = 1) ✔

Name	Input Value		
PullCmp_SetRamBlkSts_Cnt_M_lgc	0		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_ActivePull_PullCmpLTComp_SetRamBlockStatus(RamBlockStatus)	1	1	✔

Test Step Call Trace ✔

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

Test Case 2: PIM Range Test ✔

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS2.1 33.00 Cycles TS2.2 475.00 Cycles
Description	Vector Description: TS2.1PullCmp_SetRamBlkSts_Cnt_M_lgc==> Min TS2.2PullCmp_SetRamBlkSts_Cnt_M_lgc==> Max

Test Step 2.1 (Repeat Count = 1) ✔

Name	Input Value		
PullCmp_SetRamBlkSts_Cnt_M_lgc	0		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_ActivePull_PullCmpLTComp_SetRamBlockStatus(RamBlockStatus)	1	1	✔

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		
PullCmp_SetRamBlkSts_Cnt_M_lgc	1		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_ActivePull_PullCmpLTComp_SetRamBlockStatus(RamBlockStatus)	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_ActivePull_PullCmpLTComp_SetRamBlockStatus	1	Rte_Call_Ap_ActivePull_PullCmpLTComp_SetRamBlockStatus	1	✔

Test Case 2: PIM Range Test

Project

Attributes

Name	Value
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
Workspace File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

UDE Config File $(PROJECTROOT)\UnitTestEnv\config

Test Case 1: Range Test ✔

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS1.1 14.00 Cycles
Description	Vector Description TS1.1I/p 1 default

Test Step 1.1 (Repeat Count = 1) ✔

Name	Actual Value	Expected Value	Result
PullCmp_ResetPer1_Cnt_M_lgc	1	1	✔
PullCmp_ResetPer2_Cnt_M_lgc	1	1	✔
PullCmp_ResetPer3_Cnt_M_lgc	1	1	✔

Test Step Call Trace ✔

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

Project	ActivePull
Module	ActivePull
Test Object	ActivePull_SCom_ReadParam

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\SF013A_ActivePull_6.5.1_0_NoUTP
Configuration File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	$(PROJECTROOT)\ActivePull\src\Ap_ActivePull.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'ActivePull'	********************************Unit Test Information************************************* Name of Tester:Pradnya Mhetre Code File(s) Under Test:Ap_ActivePull.c Code File(s) Version :22 Module Design Document:Active_Pull_Comp_MDD.docx Module Design Version: 14 Data Dictionary Version:14 Unit Test Plan Version: 16 Optimization Level:Ogeneral Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: None Model Version:Nexteer EPS Unit Test Tool 1.0 Total FLASH Used (Bytes):3156 Total RAM Used (Bytes): 124 Total CALS Used (Bytes): 148 Special Test Requirements:NA Test Date:3/13/2018 Comments: NOTE1: Inline Functions defined in GlobalMacro.h are not Unit Tested. NOTE2:"CBD_Sandbox_dbg.map" map file is embedded in UTP for reference. Note3: The Expected outputs are calculated from MATLAB model. Note4: Local functions "ActvCmpEna_lgc" and "CalcIntGain_f32" are not unit tested separately as those are tested in "ActivePull_Per1" function. Please refer the snapshot "ActivePull_ActivePullPer1_coverage". NOTE5:In function "ActivePull_Per3" output variable "PullCmp_VehSpdRate_KphpS_M_f32" is failing in TS3.10 because of precision difference. Please refer snapshots "Matlab _Values_VehSpdRate" and "Tessy_Values_VehSpdRate" for the same. ***

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	$(TESSY_SYSPATH)\compiler\ti\tms470\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl

Attributes

Name	Value
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
Workspace File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: PIM Range Test ✔

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS1.1 44.00 Cycles TS1.2 44.00 Cycles TS1.3 44.00 Cycles TS1.4 44.00 Cycles TS1.5 44.00 Cycles TS1.6 44.00 Cycles TS1.7 44.00 Cycles TS1.8 44.00 Cycles TS1.9 44.00 Cycles TS1.10 44.00 Cycles TS1.11 44.00 Cycles TS1.12 44.00 Cycles TS1.13 44.00 Cycles TS1.14 44.00 Cycles TS1.15 44.00 Cycles TS1.16 44.00 Cycles TS1.17 44.00 Cycles TS1.18 44.00 Cycles TS1.19 44.00 Cycles
Description	Vector Description TS1.1All Min TS1.2All Max TS1.3PullCmp_PullCompCmd_HwNm_M_f32==>Min TS1.4PullCmp_PullCompCmd_HwNm_M_f32==>Max TS1.5PullCmp_PullCompCmd_HwNm_M_f32==>Pos TS1.6PullCmp_PullCompCmd_HwNm_M_f32==>Zero TS1.7PullCmp_PullCompCmd_HwNm_M_f32==>Neg TS1.8PullCmp_STComp_HwNm_M_f32==>Min TS1.9PullCmp_STComp_HwNm_M_f32==>Max TS1.10PullCmp_STComp_HwNm_M_f32==>Pos TS1.11PullCmp_STComp_HwNm_M_f32==>Zero TS1.12PullCmp_STComp_HwNm_M_f32==>Neg TS1.13PullCmp_LTComp_HwNm_M_f32==>Min TS1.14PullCmp_LTComp_HwNm_M_f32==>Max TS1.15PullCmp_LTComp_HwNm_M_f32==>Pos TS1.16PullCmp_LTComp_HwNm_M_f32==>Zero TS1.17PullCmp_LTComp_HwNm_M_f32==>Neg TS1.18PullCmp_EnableLearn_Cnt_M_lgc==>Min TS1.19PullCmp_EnableLearn_Cnt_M_lgc==>Max

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
EnableLearn_Cnt_lgc	target_EnableLearn_Cnt_lgc
LTComp_HwNm_f32	target_LTComp_HwNm_f32
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_PullCompCmd_HwNm_M_f32	-8.80000019
PullCmp_STComp_HwNm_M_f32	-10
PullCompCmd_HwNm_f32	target_PullCompCmd_HwNm_f32
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
STComp_HwNm_f32	target_STComp_HwNm_f32
target_Pim_PullCmpLTComp_HwNm_f32	-10
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
target_EnableLearn_Cnt_lgc	0	0	✔
target_LTComp_HwNm_f32	-10	-10	✔
target_PullCompCmd_HwNm_f32	-8.80000019	-8.80000019	✔
target_STComp_HwNm_f32	-10	-10	✔

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		
EnableLearn_Cnt_lgc	target_EnableLearn_Cnt_lgc		
LTComp_HwNm_f32	target_LTComp_HwNm_f32		
PullCmp_EnableLearn_Cnt_M_lgc	1		
PullCmp_PullCompCmd_HwNm_M_f32	8.80000019		
PullCmp_STComp_HwNm_M_f32	10		
PullCompCmd_HwNm_f32	target_PullCompCmd_HwNm_f32		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
STComp_HwNm_f32	target_STComp_HwNm_f32		
target_Pim_PullCmpLTComp_HwNm_f32	10		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	**Actual Value**	**Expected Value**	**Result**
target_EnableLearn_Cnt_lgc	1	1	✔
target_LTComp_HwNm_f32	10	10	✔
target_PullCompCmd_HwNm_f32	8.80000019	8.80000019	✔
target_STComp_HwNm_f32	10	10	✔

Test Step Call Trace ✔

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

Test Step 1.3 (Repeat Count = 1) ✔

Name	Input Value		
EnableLearn_Cnt_lgc	target_EnableLearn_Cnt_lgc		
LTComp_HwNm_f32	target_LTComp_HwNm_f32		
PullCmp_EnableLearn_Cnt_M_lgc	1		
PullCmp_PullCompCmd_HwNm_M_f32	-8.80000019		
PullCmp_STComp_HwNm_M_f32	-3.01309991		
PullCompCmd_HwNm_f32	target_PullCompCmd_HwNm_f32		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
STComp_HwNm_f32	target_STComp_HwNm_f32		
target_Pim_PullCmpLTComp_HwNm_f32	3.87829995		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	**Actual Value**	**Expected Value**	**Result**
target_EnableLearn_Cnt_lgc	1	1	✔
target_LTComp_HwNm_f32	3.87829995	3.87829995	✔
target_PullCompCmd_HwNm_f32	-8.80000019	-8.80000019	✔
target_STComp_HwNm_f32	-3.01309991	-3.01309991	✔

Test Step Call Trace ✔

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

Test Step 1.4 (Repeat Count = 1) ✔

Name	Input Value		
EnableLearn_Cnt_lgc	target_EnableLearn_Cnt_lgc		
LTComp_HwNm_f32	target_LTComp_HwNm_f32		
PullCmp_EnableLearn_Cnt_M_lgc	1		
PullCmp_PullCompCmd_HwNm_M_f32	8.80000019		
PullCmp_STComp_HwNm_M_f32	1.27620006		
PullCompCmd_HwNm_f32	target_PullCompCmd_HwNm_f32		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
STComp_HwNm_f32	target_STComp_HwNm_f32		
target_Pim_PullCmpLTComp_HwNm_f32	-0.788200021		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	**Actual Value**	**Expected Value**	**Result**
target_EnableLearn_Cnt_lgc	1	1	✔
target_LTComp_HwNm_f32	-0.788200021	-0.788200021	✔
target_PullCompCmd_HwNm_f32	8.80000019	8.80000019	✔
target_STComp_HwNm_f32	1.27620006	1.27620006	✔

Test Step Call Trace ✔

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

Test Step 1.5 (Repeat Count = 1) ✔

Name	Input Value		
EnableLearn_Cnt_lgc	target_EnableLearn_Cnt_lgc		
LTComp_HwNm_f32	target_LTComp_HwNm_f32		
PullCmp_EnableLearn_Cnt_M_lgc	1		
PullCmp_PullCompCmd_HwNm_M_f32	3.23399997		
PullCmp_STComp_HwNm_M_f32	-2.86919999		
PullCompCmd_HwNm_f32	target_PullCompCmd_HwNm_f32		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
STComp_HwNm_f32	target_STComp_HwNm_f32		
target_Pim_PullCmpLTComp_HwNm_f32	4		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	**Actual Value**	**Expected Value**	**Result**
target_EnableLearn_Cnt_lgc	1	1	✔
target_LTComp_HwNm_f32	4	4	✔
target_PullCompCmd_HwNm_f32	3.23399997	3.23399997	✔
target_STComp_HwNm_f32	-2.86919999	-2.86919999	✔

Test Step Call Trace ✔

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

Test Step 1.6 (Repeat Count = 1) ✔

Name	Input Value		
EnableLearn_Cnt_lgc	target_EnableLearn_Cnt_lgc		
LTComp_HwNm_f32	target_LTComp_HwNm_f32		
PullCmp_EnableLearn_Cnt_M_lgc	0		
PullCmp_PullCompCmd_HwNm_M_f32	0		
PullCmp_STComp_HwNm_M_f32	-3.66339993		
PullCompCmd_HwNm_f32	target_PullCompCmd_HwNm_f32		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
STComp_HwNm_f32	target_STComp_HwNm_f32		
target_Pim_PullCmpLTComp_HwNm_f32	3.35750008		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	**Actual Value**	**Expected Value**	**Result**
target_EnableLearn_Cnt_lgc	0	0	✔
target_LTComp_HwNm_f32	3.35750008	3.35750008	✔
target_PullCompCmd_HwNm_f32	0	0	✔
target_STComp_HwNm_f32	-3.66339993	-3.66339993	✔

Test Step Call Trace ✔

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

Test Step 1.7 (Repeat Count = 1) ✔

Name	Input Value		
EnableLearn_Cnt_lgc	target_EnableLearn_Cnt_lgc		
LTComp_HwNm_f32	target_LTComp_HwNm_f32		
PullCmp_EnableLearn_Cnt_M_lgc	1		
PullCmp_PullCompCmd_HwNm_M_f32	-5.45300007		
PullCmp_STComp_HwNm_M_f32	-0.4023		
PullCompCmd_HwNm_f32	target_PullCompCmd_HwNm_f32		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
STComp_HwNm_f32	target_STComp_HwNm_f32		
target_Pim_PullCmpLTComp_HwNm_f32	-0.802999973		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	**Actual Value**	**Expected Value**	**Result**
target_EnableLearn_Cnt_lgc	1	1	✔
target_LTComp_HwNm_f32	-0.802999973	-0.802999973	✔
target_PullCompCmd_HwNm_f32	-5.45300007	-5.45300007	✔
target_STComp_HwNm_f32	-0.4023	-0.4023	✔

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

Test Step 1.8 (Repeat Count = 1)	✔
Name	**Input Value**

Name	Actual Value	Expected Value	Result
target_PullCompCmd_HwNm_f32	3.5999999	3.5999999	✔
target_STComp_HwNm_f32	3.2434001	3.2434001	✔

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

Test Step 1.11 (Repeat Count = 1) ✔

Name	Input Value
EnableLearn_Cnt_lgc	target_EnableLearn_Cnt_lgc
LTComp_HwNm_f32	target_LTComp_HwNm_f32
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_PullCompCmd_HwNm_M_f32	1.09239995
PullCmp_STComp_HwNm_M_f32	0
PullCompCmd_HwNm_f32	target_PullCompCmd_HwNm_f32
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
STComp_HwNm_f32	target_STComp_HwNm_f32
target_Pim_PullCmpLTComp_HwNm_f32	-1.34379995
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
target_EnableLearn_Cnt_lgc	1	1	✔
target_LTComp_HwNm_f32	-1.34379995	-1.34379995	✔
target_PullCompCmd_HwNm_f32	1.09239995	1.09239995	✔
target_STComp_HwNm_f32	0	0	✔

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

Test Step 1.12 (Repeat Count = 1) ✔

Name	Input Value
EnableLearn_Cnt_lgc	target_EnableLearn_Cnt_lgc
LTComp_HwNm_f32	target_LTComp_HwNm_f32
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_PullCompCmd_HwNm_M_f32	7.50139999
PullCmp_STComp_HwNm_M_f32	-2.23399997
PullCompCmd_HwNm_f32	target_PullCompCmd_HwNm_f32
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
STComp_HwNm_f32	target_STComp_HwNm_f32
target_Pim_PullCmpLTComp_HwNm_f32	-1.02590001
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
target_EnableLearn_Cnt_lgc	1	1	✔
target_LTComp_HwNm_f32	-1.02590001	-1.02590001	✔
target_PullCompCmd_HwNm_f32	7.50139999	7.50139999	✔
target_STComp_HwNm_f32	-2.23399997	-2.23399997	✔

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

Test Step 1.16 (Repeat Count = 1) ✔

Name	Input Value		
EnableLearn_Cnt_lgc	target_EnableLearn_Cnt_lgc		
LTComp_HwNm_f32	target_LTComp_HwNm_f32		
PullCmp_EnableLearn_Cnt_M_lgc	0		
PullCmp_PullCompCmd_HwNm_M_f32	-6.88780022		
PullCmp_STComp_HwNm_M_f32	1.71850002		
PullCompCmd_HwNm_f32	target_PullCompCmd_HwNm_f32		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
STComp_HwNm_f32	target_STComp_HwNm_f32		
target_Pim_PullCmpLTComp_HwNm_f32	0		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	**Actual Value**	**Expected Value**	**Result**
target_EnableLearn_Cnt_lgc	0	0	✔
target_LTComp_HwNm_f32	0	0	✔
target_PullCompCmd_HwNm_f32	-6.88780022	-6.88780022	✔
target_STComp_HwNm_f32	1.71850002	1.71850002	✔

Test Step Call Trace ✔

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

Test Step 1.17 (Repeat Count = 1) ✔

Name	Input Value		
EnableLearn_Cnt_lgc	target_EnableLearn_Cnt_lgc		
LTComp_HwNm_f32	target_LTComp_HwNm_f32		
PullCmp_EnableLearn_Cnt_M_lgc	0		
PullCmp_PullCompCmd_HwNm_M_f32	-0.741400003		
PullCmp_STComp_HwNm_M_f32	2.9296		
PullCompCmd_HwNm_f32	target_PullCompCmd_HwNm_f32		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
STComp_HwNm_f32	target_STComp_HwNm_f32		
target_Pim_PullCmpLTComp_HwNm_f32	-3.12339997		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	**Actual Value**	**Expected Value**	**Result**
target_EnableLearn_Cnt_lgc	0	0	✔
target_LTComp_HwNm_f32	-3.12339997	-3.12339997	✔
target_PullCompCmd_HwNm_f32	-0.741400003	-0.741400003	✔
target_STComp_HwNm_f32	2.9296	2.9296	✔

Test Step Call Trace ✔

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

Test Step 1.18 (Repeat Count = 1) ✔

Name	Input Value		
EnableLearn_Cnt_lgc	target_EnableLearn_Cnt_lgc		
LTComp_HwNm_f32	target_LTComp_HwNm_f32		
PullCmp_EnableLearn_Cnt_M_lgc	0		
PullCmp_PullCompCmd_HwNm_M_f32	-1.03129995		
PullCmp_STComp_HwNm_M_f32	0.313199997		
PullCompCmd_HwNm_f32	target_PullCompCmd_HwNm_f32		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
STComp_HwNm_f32	target_STComp_HwNm_f32		
target_Pim_PullCmpLTComp_HwNm_f32	4		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	**Actual Value**	**Expected Value**	**Result**
target_EnableLearn_Cnt_lgc	0	0	✔
target_LTComp_HwNm_f32	4	4	✔
target_PullCompCmd_HwNm_f32	-1.03129995	-1.03129995	✔
target_STComp_HwNm_f32	0.313199997	0.313199997	✔

Test Step Call Trace ✔

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

Test Step 1.19 (Repeat Count = 1) ✔

Name	Input Value
EnableLearn_Cnt_lgc	target_EnableLearn_Cnt_lgc
LTComp_HwNm_f32	target_LTComp_HwNm_f32
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_PullCompCmd_HwNm_M_f32	4.67810011
PullCmp_STComp_HwNm_M_f32	2.29959989
PullCompCmd_HwNm_f32	target_PullCompCmd_HwNm_f32
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
STComp_HwNm_f32	target_STComp_HwNm_f32
target_Pim_PullCmpLTComp_HwNm_f32	0.0141000003
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
target_EnableLearn_Cnt_lgc	1	1	✔
target_LTComp_HwNm_f32	0.0141000003	0.0141000003	✔
target_PullCompCmd_HwNm_f32	4.67810011	4.67810011	✔
target_STComp_HwNm_f32	2.29959989	2.29959989	✔

Test Step Call Trace ✔

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

Project	ActivePull
Module	ActivePull
Test Object	ActivePull_Per2

Instrumentation: Test Object Only

Statement (C0) Coverage	90.47 %
Decision Coverage	85.71 %
Branch (C1) Coverage	85.71 %
MC/DC Coverage	86.66 %

Statistics

Total Testcases	3	
Successful	3	✔
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP
Configuration File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	$(PROJECTROOT)\ActivePull\src\Ap_ActivePull.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification	
Name	**Text**
Module 'ActivePull'	***********************************Unit Test Information******************************** Name of Tester:Pradnya Mhetre Code File(s) Under Test:Ap_ActivePull.c Code File(s) Version :22 Module Design Document:Active_Pull_Comp_MDD.docx Module Design Version: 14 Data Dictionary Version:14 Unit Test Plan Version: 16 Optimization Level:Ogeneral Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: None Model Version:Nexteer EPS Unit Test Tool 1.0 Total FLASH Used (Bytes):3156 Total RAM Used (Bytes): 124 Total CALS Used (Bytes): 148 Special Test Requirements:NA Test Date:3/13/2018 Comments: NOTE1: Inline Functions defined in GlobalMacro.h are not Unit Tested. NOTE2:"CBD_Sandbox_dbg.map" map file is embedded in UTP for reference. Note3: The Expected outputs are calculated from MATLAB model. Note4: Local functions "ActvCmpEna_lgc" and "CalcIntGain_f32" are not unit tested separately as those are tested in "ActivePull_Per1" function. Please refer the snapshot "ActivePull_ActivePullPer1_coverage". NOTE5:In function "ActivePull_Per3" output variable "PullCmp_VehSpdRate_KphpS_M_f32" is failing in TS3.10 because of precision difference. Please refer snapshots "Matlab _Values_VehSpdRate" and "Tessy_Values_VehSpdRate" for the same. **

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

Attributes

Name	Value
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(TESSY_SYSPATH)\compiler\ti\tms470\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.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
Workspace File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Range Test ✔

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS1.1 72.00 Cycles TS1.2 206.00 Cycles TS1.3 212.00 Cycles TS1.4 204.00 Cycles TS1.5 191.00 Cycles TS1.6 191.00 Cycles TS1.7 212.00 Cycles TS1.8 72.00 Cycles TS1.9 202.00 Cycles TS1.10 212.00 Cycles TS1.11 72.00 Cycles TS1.12 72.00 Cycles TS1.13 189.00 Cycles TS1.14 72.00 Cycles TS1.15 814.00 Cycles TS1.16 204.00 Cycles TS1.17 796.00 Cycles TS1.18 196.00 Cycles TS1.19 72.00 Cycles
Description	Vector Description: TS1.1 All Min TS1.2 All Max TS1.3 VehicleSpeed_Kph_f32==>Min TS1.4 VehicleSpeed_Kph_f32==>Max TS1.5 VehicleSpeed_Kph_f32==>Pos TS1.6 DisableOutput_Cnt_lgc==>Min TS1.7 DisableOutput_Cnt_lgc==>Max TS1.8 PullCmpEna_Cnt_lgc==>Min TS1.9 PullCmpEna_Cnt_lgc==>Max TS1.10 PullCmpShoTermIntgtrStOffs_HwNm_f32 TS1.11 PullCmpShoTermIntgtrStOffs_HwNm_f32 TS1.12 PullCmpShoTermIntgtrStOffs_HwNm_f32 TS1.13 PullCmpShoTermIntgtrStOffs_HwNm_f32 TS1.14 PullCmpShoTermIntgtrStOffs_HwNm_f32 TS1.15 PullCmpLongTermIntgtrStOffs_HwNm_f32 TS1.16 PullCmpLongTermIntgtrStOffs_HwNm_f32 TS1.17 PullCmpLongTermIntgtrStOffs_HwNm_f32 TS1.18 PullCmpLongTermIntgtrStOffs_HwNm_f32 TS1.19 PullCmpLongTermIntgtrStOffs_HwNm_f32

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	-8.80000019
PullCmp_PullCompStepSize_HwNm_M_f32	0
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	-10
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0250000004
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	0
t_VehSpdScaleTblX_Kph_u9p7[2]	0
t_VehSpdScaleTblX_Kph_u9p7[3]	0
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	0
t_VehSpdScaleTblY_Uls_u2p14[2]	0
t_VehSpdScaleTblY_Uls_u2p14[3]	0
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-10
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-8.80000019	-8.80000019	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

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
PullCmp_PullCompCmd_HwNm_M_f32	8.80000019
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003
PullCmp_ResetPer2_Cnt_M_lgc	1
PullCmp_STComp_HwNm_M_f32	10
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.100000001
t_VehSpdScaleTblX_Kph_u9p7[0]	65408
t_VehSpdScaleTblX_Kph_u9p7[1]	65408
t_VehSpdScaleTblX_Kph_u9p7[2]	65408
t_VehSpdScaleTblX_Kph_u9p7[3]	65408
t_VehSpdScaleTblY_Uls_u2p14[0]	16384
t_VehSpdScaleTblY_Uls_u2p14[1]	16384
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	511
target_Pim_PullCmpLTComp_HwNm_f32	10
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	8.60000038	8.60000038	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.860000074	0.860000074	✔

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

Test Step 1.3 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	0
PullCmp_PullCompStepSize_HwNm_M_f32	0
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	0
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	0.467299998
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.467299998
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	0
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNr	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 1.4 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	*none*
PullCmp_PullCompStepSize_HwNm_M_f32	*none*
PullCmp_ResetPer2_Cnt_M_lgc	*none*
PullCmp_STComp_HwNm_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	2.52649999
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	2.52649999
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	511
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 1.5 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	*none*
PullCmp_PullCompStepSize_HwNm_M_f32	*none*
PullCmp_ResetPer2_Cnt_M_lgc	*none*
PullCmp_STComp_HwNm_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384

Name	Input Value
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-3.44499993
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-3.44499993
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	455.34201
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 1.6 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	*none*
PullCmp_PullCompStepSize_HwNm_M_f32	*none*
PullCmp_ResetPer2_Cnt_M_lgc	*none*
PullCmp_STComp_HwNm_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-0.211099997
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-0.211099997
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	78.9774017
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 1.7 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	*none*
PullCmp_PullCompStepSize_HwNm_M_f32	*none*
PullCmp_ResetPer2_Cnt_M_lgc	*none*

Name	Input Value
PullCmp_STComp_HwNm_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	116.120796
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace ✔

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

Test Step 1.8 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	*none*
PullCmp_PullCompStepSize_HwNm_M_f32	*none*
PullCmp_ResetPer2_Cnt_M_lgc	*none*
PullCmp_STComp_HwNm_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-2.5861001
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-2.5861001
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	155.262405
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace

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

Test Step Call Trace

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNı	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace				✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 1.11 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	*none*
PullCmp_PullCompStepSize_HwNm_M_f32	*none*
PullCmp_ResetPer2_Cnt_M_lgc	*none*
PullCmp_STComp_HwNm_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	83.7619019
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNı	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace				✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 1.12 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	*none*
PullCmp_PullCompStepSize_HwNm_M_f32	*none*
PullCmp_ResetPer2_Cnt_M_lgc	*none*
PullCmp_STComp_HwNm_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384

Name	Input Value
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	2.2342
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	311.14209
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 1.13 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_PullCompCmd_HwNm_M_f32	*none*	
PullCmp_PullCompStepSize_HwNm_M_f32	*none*	
PullCmp_ResetPer2_Cnt_M_lgc	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007	
t_VehSpdScaleTblX_Kph_u9p7[0]	0	
t_VehSpdScaleTblX_Kph_u9p7[1]	3840	
t_VehSpdScaleTblX_Kph_u9p7[2]	7680	
t_VehSpdScaleTblX_Kph_u9p7[3]	11520	
t_VehSpdScaleTblY_Uls_u2p14[0]	0	
t_VehSpdScaleTblY_Uls_u2p14[1]	4096	
t_VehSpdScaleTblY_Uls_u2p14[2]	16384	
t_VehSpdScaleTblY_Uls_u2p14[3]	16384	
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0	
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1	
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	0.119099997	
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0	
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	101.8452	
target_Pim_PullCmpLTComp_HwNm_f32	*none*	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	

Name	**Actual Value**	**Expected Value**	**Result**
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 1.14 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_PullCompCmd_HwNm_M_f32	*none*	
PullCmp_PullCompStepSize_HwNm_M_f32	*none*	
PullCmp_ResetPer2_Cnt_M_lgc	*none*	

Name	Input Value
PullCmp_STComp_HwNm_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-1.41719997
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.24100006
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	175.204697
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 1.15 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	*none*
PullCmp_PullCompStepSize_HwNm_M_f32	*none*
PullCmp_ResetPer2_Cnt_M_lgc	*none*
PullCmp_STComp_HwNm_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	50.7200012
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 1.16 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	*none*
PullCmp_PullCompStepSize_HwNm_M_f32	*none*
PullCmp_ResetPer2_Cnt_M_lgc	*none*
PullCmp_STComp_HwNm_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	233.3927
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 1.17 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	*none*
PullCmp_PullCompStepSize_HwNm_M_f32	*none*
PullCmp_ResetPer2_Cnt_M_lgc	*none*
PullCmp_STComp_HwNm_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	2.2342
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	2.2342
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	481.718414
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32

Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 1.18 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	*none*
PullCmp_PullCompStepSize_HwNm_M_f32	*none*
PullCmp_ResetPer2_Cnt_M_lgc	*none*
PullCmp_STComp_HwNm_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	0
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	259.710205
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 1.19 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	*none*
PullCmp_PullCompStepSize_HwNm_M_f32	*none*
PullCmp_ResetPer2_Cnt_M_lgc	*none*
PullCmp_STComp_HwNm_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384

Name	Input Value
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-1.24100006
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.24100006
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	348.828613
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Case 2: PIM Range Test	✔

Specification

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


TS2.1 72.00 Cycles
TS2.2 206.00 Cycles
TS2.3 212.00 Cycles
TS2.4 204.00 Cycles
TS2.5 191.00 Cycles
TS2.6 191.00 Cycles
TS2.7 212.00 Cycles
TS2.8 72.00 Cycles
TS2.9 202.00 Cycles
TS2.10 212.00 Cycles
TS2.11 72.00 Cycles
TS2.12 72.00 Cycles
TS2.13 189.00 Cycles
TS2.14 72.00 Cycles
TS2.15 814.00 Cycles
TS2.16 204.00 Cycles
TS2.17 796.00 Cycles
TS2.18 196.00 Cycles
TS2.19 72.00 Cycles
TS2.20 72.00 Cycles
```

Description   Vector Description:

```
TS2.1PullCmp_PullCompCmd_HwNm_M_f32==>Min
TS2.2PullCmp_PullCompCmd_HwNm_M_f32==>Max
TS2.3PullCmp_PullCompCmd_HwNm_M_f32==>Pos
TS2.4PullCmp_PullCompCmd_HwNm_M_f32==>Zero
TS2.5PullCmp_PullCompCmd_HwNm_M_f32==>Neg
TS2.6PullCmp_STComp_HwNm_M_f32==>Min
TS2.7PullCmp_STComp_HwNm_M_f32==>Max
TS2.8PullCmp_STComp_HwNm_M_f32==>Pos
TS2.9PullCmp_STComp_HwNm_M_f32==>Zero
TS2.10PullCmp_STComp_HwNm_M_f32==>Neg
TS2.11PullCmpLTComp_HwNm_f32==>Min
TS2.12PullCmpLTComp_HwNm_f32==>Max
TS2.13PullCmpLTComp_HwNm_f32==>Pos
TS2.14PullCmpLTComp_HwNm_f32==>Zero
TS2.15PullCmpLTComp_HwNm_f32==>Neg
TS2.16PullCmp_ResetPer2_Cnt_M_lgc==>Min
TS2.17PullCmp_ResetPer2_Cnt_M_lgc==>Max
TS2.18PullCmp_PullCompStepSize_HwNm_M_f32==>Min
TS2.19PullCmp_PullCompStepSize_HwNm_M_f32==>Max
TS2.20PullCmp_PullCompStepSize_HwNm_M_f32==>Pos
```

Test Step 2.1 (Repeat Count = 1)	✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	-8.80000019
PullCmp_PullCompStepSize_HwNm_M_f32	0.191
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	0.1087
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0

Name	Input Value
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	54.5344009
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-8.60900021	-8.60900021	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.430450022	-0.430450022	✔

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
PullCmp_PullCompCmd_HwNm_M_f32	8.80000019
PullCmp_PullCompStepSize_HwNm_M_f32	0.180000007
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	1.66040003
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	3.4986999
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.4986999
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	202.8871
target_Pim_PullCmpLTComp_HwNm_f32	3.4986999
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	8.61999989	8.61999989	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.430999994	0.430999994	✔

Test Step Call Trace			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 2.3 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	3.45230007
PullCmp_PullCompStepSize_HwNm_M_f32	0.164000005
PullCmp_ResetPer2_Cnt_M_lgc	1
PullCmp_STComp_HwNm_M_f32	-3.45869994
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	0.74150002
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.74150002
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	54.4229012
target_Pim_PullCmpLTComp_HwNm_f32	0.74150002
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	3.28830004	3.28830004	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.164415002	0.164415002	✔

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
PullCmp_PullCompCmd_HwNm_M_f32	0
PullCmp_PullCompStepSize_HwNm_M_f32	0.143999994
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	-3.02130008
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	3.60719991
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.60719991
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	218.034103
target_Pim_PullCmpLTComp_HwNm_f32	3.60719991
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0	0	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0	0	✔

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

Test Step 2.5 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	-6.35230017
PullCmp_PullCompStepSize_HwNm_M_f32	0.0410000011
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	-0.635999978
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	1.66509998
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.66509998
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	284.544312
target_Pim_PullCmpLTComp_HwNm_f32	1.66509998
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-6.31130028	-6.31130028	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.31556502	-0.31556502	✔

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
PullCmp_PullCompCmd_HwNm_M_f32	-0.0366999991
PullCmp_PullCompStepSize_HwNm_M_f32	0.120999999
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	-10
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-1.7859
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.7859
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	300.982391
target_Pim_PullCmpLTComp_HwNm_f32	-1.7859

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-0.157700002	-0.157700002	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.00788500067	-0.00788500067	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 2.7 (Repeat Count = 1)   ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	-4.81869984
PullCmp_PullCompStepSize_HwNm_M_f32	0.108000003
PullCmp_ResetPer2_Cnt_M_lgc	1
PullCmp_STComp_HwNm_M_f32	10
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	83.7619019
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-4.71070004	-4.71070004	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.235535011	-0.235535011	✔

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
PullCmp_PullCompCmd_HwNm_M_f32	0.135299996
PullCmp_PullCompStepSize_HwNm_M_f32	0.0549999997
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	2.53239989
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520

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Name	Input Value
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	311.14209
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0.0802999958	0.0802999958	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.00401500007	0.00401500007	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 2.9 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_PullCompCmd_HwNm_M_f32	-6.31330013	
PullCmp_PullCompStepSize_HwNm_M_f32	0.119000003	
PullCmp_ResetPer2_Cnt_M_lgc	0	
PullCmp_STComp_HwNm_M_f32	0	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007	
t_VehSpdScaleTblX_Kph_u9p7[0]	0	
t_VehSpdScaleTblX_Kph_u9p7[1]	3840	
t_VehSpdScaleTblX_Kph_u9p7[2]	7680	
t_VehSpdScaleTblX_Kph_u9p7[3]	11520	
t_VehSpdScaleTblY_Uls_u2p14[0]	0	
t_VehSpdScaleTblY_Uls_u2p14[1]	4096	
t_VehSpdScaleTblY_Uls_u2p14[2]	16384	
t_VehSpdScaleTblY_Uls_u2p14[3]	16384	
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1	
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1	
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	0.119099997	
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.119099997	
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	101.8452	
target_Pim_PullCmpLTComp_HwNm_f32	0.119099997	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-6.19430017	-6.19430017	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.309715003	-0.309715003	✔

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
PullCmp_PullCompCmd_HwNm_M_f32	-8.72019958
PullCmp_PullCompStepSize_HwNm_M_f32	0.101000004
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	-1.42400002
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-1.41719997
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.41719997
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	175.204697
target_Pim_PullCmpLTComp_HwNm_f32	-1.41719997
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-8.61919975	-8.61919975	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.43096	-0.43096	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 2.11 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	-2.50399995
PullCmp_PullCompStepSize_HwNm_M_f32	0.177000001
PullCmp_ResetPer2_Cnt_M_lgc	1
PullCmp_STComp_HwNm_M_f32	3.93580008
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	50.7200012
target_Pim_PullCmpLTComp_HwNm_f32	-10
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-2.3269999	-2.3269999	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔

Name	Actual Value	Expected Value	Result
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.116349995	-0.116349995	✔

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

Test Step 2.12 (Repeat Count = 1)　✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	-5.3512001
PullCmp_PullCompStepSize_HwNm_M_f32	0.0729999989
PullCmp_ResetPer2_Cnt_M_lgc	1
PullCmp_STComp_HwNm_M_f32	-2.77069998
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	233.3927
target_Pim_PullCmpLTComp_HwNm_f32	10
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-5.27820015	-5.27820015	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.263910025	-0.263910025	✔

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

Test Step 2.13 (Repeat Count = 1)　✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	-8.17679977
PullCmp_PullCompStepSize_HwNm_M_f32	0.050999999
PullCmp_ResetPer2_Cnt_M_lgc	1
PullCmp_STComp_HwNm_M_f32	-1.19009995
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	2.2342
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	2.2342
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	481.718414
target_Pim_PullCmpLTComp_HwNm_f32	2.2342

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-8.12580013	-8.12580013	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.406290025	-0.406290025	✔

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

Test Step 2.14 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_PullCompCmd_HwNm_M_f32	0.689400017
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	1.8721
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	0
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	259.710205
target_Pim_PullCmpLTComp_HwNm_f32	0
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0.489400029	0.489400029	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.0244700015	0.0244700015	✔

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

Test Step 2.15 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_PullCompCmd_HwNm_M_f32	-0.339899987
PullCmp_PullCompStepSize_HwNm_M_f32	0.0430000015
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	4
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520

Name	Input Value
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-1.24100006
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.24100006
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	348.828613
target_Pim_PullCmpLTComp_HwNm_f32	-1.24100006
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-0.296899974	-0.296899974	✓
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✓
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.0148449987	-0.0148449987	✓

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

Test Step 2.16 (Repeat Count = 1)	✓

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	-5.37249994
PullCmp_PullCompStepSize_HwNm_M_f32	0.0309999995
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	-2.19230008
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	3.24230003
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.24230003
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	372.1922
target_Pim_PullCmpLTComp_HwNm_f32	3.24230003
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-5.34149981	-5.34149981	✓
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✓
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.267075002	-0.267075002	✓

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

Test Step 2.17 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	-4.27570009
PullCmp_PullCompStepSize_HwNm_M_f32	0
PullCmp_ResetPer2_Cnt_M_lgc	1
PullCmp_STComp_HwNm_M_f32	-0.383100003
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	2.63479996
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	2.63479996
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	165.945099
target_Pim_PullCmpLTComp_HwNm_f32	2.63479996
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-4.27570009	-4.27570009	✓
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✓
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.213785008	-0.213785008	✓

Test Step Call Trace ✓

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

Test Step 2.18 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	6.18849993
PullCmp_PullCompStepSize_HwNm_M_f32	0
PullCmp_ResetPer2_Cnt_M_lgc	1
PullCmp_STComp_HwNm_M_f32	1.48389995
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	214.118698
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	6.18849993	6.18849993	✓
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✓

Name	Actual Value	Expected Value	Result
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.309424996	0.309424996	✔

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

Test Step 2.19 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	-3.01079988
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003
PullCmp_ResetPer2_Cnt_M_lgc	1
PullCmp_STComp_HwNm_M_f32	-0.40290001
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	2.31060004
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	2.31060004
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	491.446686
target_Pim_PullCmpLTComp_HwNm_f32	2.31060004
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-2.81079984	-2.81079984	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.140539989	-0.140539989	✔

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

Test Step 2.20 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	1.84909999
PullCmp_PullCompStepSize_HwNm_M_f32	0.165000007
PullCmp_ResetPer2_Cnt_M_lgc	1
PullCmp_STComp_HwNm_M_f32	2.16980004
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-2.41669989
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-2.41669989
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	278.806488
target_Pim_PullCmpLTComp_HwNm_f32	-2.41669989

Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	1.68410003	1.68410003	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.0842050016	0.0842050016	✔

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

Test Case 3: PRM Range Test ✔

Specification

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

TS3.1  72.00 Cycles
TS3.2 206.00 Cycles
TS3.3 212.00 Cycles
TS3.4 204.00 Cycles
TS3.5 191.00 Cycles
TS3.6 191.00 Cycles
TS3.7 212.00 Cycles
TS3.8  72.00 Cycles
TS3.9 202.00 Cycles
TS3.10 212.00 Cycles
TS3.11  72.00 Cycles
```

Description

Vector Description:

```
TS3.1k_HwNmToMtrNm_MtrNmpHwNm_f32==>Min
TS3.2k_HwNmToMtrNm_MtrNmpHwNm_f32==>Max
TS3.3k_HwNmToMtrNm_MtrNmpHwNm_f32==>Pos/Default
TS3.4t_VehSpdScaleTblX_Kph_u9p7[4]==>Min
TS3.5t_VehSpdScaleTblX_Kph_u9p7[4]==>Max
TS3.6t_VehSpdScaleTblX_Kph_u9p7[4]==>Pos
TS3.7t_VehSpdScaleTblX_Kph_u9p7[4]==>Default
TS3.8t_VehSpdScaleTblY_Uls_u2p14[4]==>Min
TS3.9t_VehSpdScaleTblY_Uls_u2p14[4]==>Max
TS3.10t_VehSpdScaleTblY_Uls_u2p14[4]==>Pos
TS3.11t_VehSpdScaleTblY_Uls_u2p14[4]==>Default
```

Test Step 3.1 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	3.17090011
PullCmp_PullCompStepSize_HwNm_M_f32	0.114
PullCmp_ResetPer2_Cnt_M_lgc	1
PullCmp_STComp_HwNm_M_f32	0.902199984
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0250000004
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-1.62539995
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.62539995
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	434.695801
target_Pim_PullCmpLTComp_HwNm_f32	-1.62539995
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	3.05690002	3.05690002	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.0764225051	0.0764225051	✔

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
PullCmp_PullCompCmd_HwNm_M_f32	-3.16160011
PullCmp_PullCompStepSize_HwNm_M_f32	0.0979999974
PullCmp_ResetPer2_Cnt_M_lgc	1
PullCmp_STComp_HwNm_M_f32	2.79069996
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.100000001

Name	Input Value
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	357.121796
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-3.06360006	-3.06360006	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.306360006	-0.306360006	✔

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

Test Step 3.3 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_PullCompCmd_HwNm_M_f32	-1.4756	
PullCmp_PullCompStepSize_HwNm_M_f32	0.187000006	
PullCmp_ResetPer2_Cnt_M_lgc	1	
PullCmp_STComp_HwNm_M_f32	4	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007	
t_VehSpdScaleTblX_Kph_u9p7[0]	0	
t_VehSpdScaleTblX_Kph_u9p7[1]	3840	
t_VehSpdScaleTblX_Kph_u9p7[2]	7680	
t_VehSpdScaleTblX_Kph_u9p7[3]	11520	
t_VehSpdScaleTblY_Uls_u2p14[0]	0	
t_VehSpdScaleTblY_Uls_u2p14[1]	4096	
t_VehSpdScaleTblY_Uls_u2p14[2]	16384	
t_VehSpdScaleTblY_Uls_u2p14[3]	16384	
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0	
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1	
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	4	
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4	
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	27.5625	
target_Pim_PullCmpLTComp_HwNm_f32	4	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	-1.28859997	-1.28859997	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.0644299984	-0.0644299984	✔

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

Test Step 3.4 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	7.0381999
PullCmp_PullCompStepSize_HwNm_M_f32	0.188999996
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	-1.09379995
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	0
t_VehSpdScaleTblX_Kph_u9p7[2]	0
t_VehSpdScaleTblX_Kph_u9p7[3]	0
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	2.66709995
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	2.66709995
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	367.084015
target_Pim_PullCmpLTComp_HwNm_f32	2.66709995
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	6.84919977	6.84919977	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.342460006	0.342460006	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 3.5 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	0.068599999
PullCmp_PullCompStepSize_HwNm_M_f32	0.0199999996
PullCmp_ResetPer2_Cnt_M_lgc	1
PullCmp_STComp_HwNm_M_f32	-3.89459991
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	65408
t_VehSpdScaleTblX_Kph_u9p7[1]	65408
t_VehSpdScaleTblX_Kph_u9p7[2]	65408
t_VehSpdScaleTblX_Kph_u9p7[3]	65408
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	2.05690002
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	2.05690002
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	111.988403
target_Pim_PullCmpLTComp_HwNm_f32	2.05690002
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
			✔

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0.0485999994	0.0485999994	
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.00243000011	0.00243000011	✔

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

Test Step 3.6 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_PullCompCmd_HwNm_M_f32	-7.99989986	
PullCmp_PullCompStepSize_HwNm_M_f32	0.0970000029	
PullCmp_ResetPer2_Cnt_M_lgc	1	
PullCmp_STComp_HwNm_M_f32	0.194000006	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007	
t_VehSpdScaleTblX_Kph_u9p7[0]	1536	
t_VehSpdScaleTblX_Kph_u9p7[1]	24192	
t_VehSpdScaleTblX_Kph_u9p7[2]	39936	
t_VehSpdScaleTblX_Kph_u9p7[3]	62592	
t_VehSpdScaleTblY_Uls_u2p14[0]	0	
t_VehSpdScaleTblY_Uls_u2p14[1]	4096	
t_VehSpdScaleTblY_Uls_u2p14[2]	16384	
t_VehSpdScaleTblY_Uls_u2p14[3]	16384	
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0	
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1	
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	1.51170003	
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.51170003	
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	90.8690033	
target_Pim_PullCmpLTComp_HwNm_f32	1.51170003	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	
Name	**Actual Value**	**Expected Value**	**Result**
PullCmp_PullCompCmd_HwNm_M_f32	-7.90289974	-7.90289974	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	-0.395144999	-0.395144999	✔

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

Test Step 3.7 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_PullCompCmd_HwNm_M_f32	0.068599999	
PullCmp_PullCompStepSize_HwNm_M_f32	0.0199999996	
PullCmp_ResetPer2_Cnt_M_lgc	1	
PullCmp_STComp_HwNm_M_f32	-3.89459991	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007	
t_VehSpdScaleTblX_Kph_u9p7[0]	0	
t_VehSpdScaleTblX_Kph_u9p7[1]	3840	
t_VehSpdScaleTblX_Kph_u9p7[2]	7680	
t_VehSpdScaleTblX_Kph_u9p7[3]	11520	
t_VehSpdScaleTblY_Uls_u2p14[0]	0	
t_VehSpdScaleTblY_Uls_u2p14[1]	4096	
t_VehSpdScaleTblY_Uls_u2p14[2]	16384	
t_VehSpdScaleTblY_Uls_u2p14[3]	16384	
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0	
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1	
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	2.05690002	
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	2.05690002	

Name	Input Value		
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	111.988403		
target_Pim_PullCmpLTComp_HwNm_f32	2.05690002		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgrtStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	0.0485999994	0.0485999994	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.00243000011	0.00243000011	✔

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

Test Step 3.8 (Repeat Count = 1) ✔

Name	Input Value		
PullCmp_PullCompCmd_HwNm_M_f32	4.32490015		
PullCmp_PullCompStepSize_HwNm_M_f32	0.0909999982		
PullCmp_ResetPer2_Cnt_M_lgc	0		
PullCmp_STComp_HwNm_M_f32	2.55719995		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007		
t_VehSpdScaleTblX_Kph_u9p7[0]	0		
t_VehSpdScaleTblX_Kph_u9p7[1]	3840		
t_VehSpdScaleTblX_Kph_u9p7[2]	7680		
t_VehSpdScaleTblX_Kph_u9p7[3]	11520		
t_VehSpdScaleTblY_Uls_u2p14[0]	0		
t_VehSpdScaleTblY_Uls_u2p14[1]	0		
t_VehSpdScaleTblY_Uls_u2p14[2]	0		
t_VehSpdScaleTblY_Uls_u2p14[3]	0		
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0		
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1		
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-1.53779995		
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.53779995		
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	49.4459991		
target_Pim_PullCmpLTComp_HwNm_f32	-1.53779995		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	4.23390007	4.23390007	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.211695001	0.211695001	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Test Step 3.9 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	1.82930005
PullCmp_PullCompStepSize_HwNm_M_f32	0.0240000002
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	0.51849997
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840

Name	Input Value
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	16384
t_VehSpdScaleTblY_Uls_u2p14[1]	16384
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	3.10360003
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.10360003
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	200.058701
target_Pim_PullCmpLTComp_HwNm_f32	3.10360003
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	1.8053	1.8053	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.0902649984	0.0902649984	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt		1	✔

Test Step 3.10 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_PullCompCmd_HwNm_M_f32	2.36730003
PullCmp_PullCompStepSize_HwNm_M_f32	0.112999998
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	-2.33080006
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4121
t_VehSpdScaleTblY_Uls_u2p14[2]	9244
t_VehSpdScaleTblY_Uls_u2p14[3]	14834
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	21.1891994
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	2.25430012	2.25430012	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.112715006	0.112715006	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt		1	✔

Test Step 3.11 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_PullCompCmd_HwNm_M_f32	1.82930005
PullCmp_PullCompStepSize_HwNm_M_f32	0.0240000002
PullCmp_ResetPer2_Cnt_M_lgc	0
PullCmp_STComp_HwNm_M_f32	0.51849997
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007
t_VehSpdScaleTblX_Kph_u9p7[0]	0
t_VehSpdScaleTblX_Kph_u9p7[1]	3840
t_VehSpdScaleTblX_Kph_u9p7[2]	7680
t_VehSpdScaleTblX_Kph_u9p7[3]	11520
t_VehSpdScaleTblY_Uls_u2p14[0]	0
t_VehSpdScaleTblY_Uls_u2p14[1]	4096
t_VehSpdScaleTblY_Uls_u2p14[2]	16384
t_VehSpdScaleTblY_Uls_u2p14[3]	16384
target_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	3.10360003
target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.10360003
target_ActivePull_Per2_VehicleSpeed_Kph_f32.value	200.058701
target_Pim_PullCmpLTComp_HwNm_f32	3.10360003
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	1.8053	1.8053	✔
PullCmp_ResetPer2_Cnt_M_lgc	0	0	✔
target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value	0.0902649984	0.0902649984	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔

Project	ActivePull
Module	ActivePull
Test Object	ActivePull_Init1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	✔
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP
Configuration File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	$(PROJECTROOT)\ActivePull\src\Ap_ActivePull.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'ActivePull'	*********************************Unit Test Information**************************************
	Name of Tester:Pradnya Mhetre
	Code File(s) Under Test:Ap_ActivePull.c
	Code File(s) Version :22
	Module Design Document:Active_Pull_Comp_MDD.docx
	Module Design Version: 14
	Data Dictionary Version:14
	Unit Test Plan Version: 16
	Optimization Level:Ogeneral
	Compiler (CodeGen) Version: TMS470_4.9.5
	Model Type: None
	Model Version:Nexteer EPS Unit Test Tool 1.0
	Total FLASH Used (Bytes):3156
	Total RAM Used (Bytes): 124
	Total CALS Used (Bytes): 148
	Special Test Requirements:NA
	Test Date:3/13/2018
	Comments:
	NOTE1: Inline Functions defined in GlobalMacro.h are not Unit Tested.
	NOTE2:"CBD_Sandbox_dbg.map" map file is embedded in UTP for reference.
	Note3: The Expected outputs are calculated from MATLAB model.
	Note4: Local functions "ActvCmpEna_lgc" and "CalcIntGain_f32" are not unit tested separately as those are tested in "ActivePull_Per1" function. Please refer the snapshot "ActivePull_ActivePullPer1_coverage".
	NOTE5:In function "ActivePull_Per3" output variable "PullCmp_VehSpdRate_KphpS_M_f32" is failing in TS3.10 because of precision difference. Please refer snapshots "Matlab _Values_VehSpdRate" and "Tessy_Values_VehSpdRate" for the same.
	***

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

Attributes

Name	Value
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(TESSY_SYSPATH)\compiler\ti\tms470\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.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
Workspace File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: PRM Range Test ✔

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

TS1.1 1947.00 Cycles
TS1.2 1947.00 Cycles
TS1.3 1947.00 Cycles
TS1.4 1947.00 Cycles
TS1.5 1947.00 Cycles
TS1.6 1947.00 Cycles
TS1.7 1947.00 Cycles
TS1.8 1947.00 Cycles
TS1.9 1947.00 Cycles
TS1.10 1947.00 Cycles
TS1.11 1947.00 Cycles
TS1.12 1947.00 Cycles
TS1.13 1947.00 Cycles
TS1.14 1947.00 Cycles
TS1.15 1947.00 Cycles
TS1.16 1947.00 Cycles
TS1.17 1947.00 Cycles
TS1.18 1947.00 Cycles
TS1.19 1947.00 Cycles
TS1.20 1947.00 Cycles
TS1.21 1947.00 Cycles
TS1.22 1947.00 Cycles
TS1.23 1947.00 Cycles
TS1.24 1947.00 Cycles
TS1.25 1947.00 Cycles
TS1.26 1947.00 Cycles
TS1.27 1947.00 Cycles
TS1.28 1947.00 Cycles
TS1.29 1947.00 Cycles
TS1.30 1947.00 Cycles
TS1.31 1947.00 Cycles
TS1.32 1947.00 Cycles
TS1.33 1947.00 Cycles
```

Description   Vector Description

```
TS1.1All Min
TS1.2All Max
TS1.3k_TotalLimit_HwNm_f32==>Min/Default
TS1.4k_TotalLimit_HwNm_f32==>Max
TS1.5k_TotalLimit_HwNm_f32==>Pos
TS1.6k_LTLimit_HwNm_f32==>Min
TS1.7k_LTLimit_HwNm_f32==>Max
TS1.8k_LTLimit_HwNm_f32==>Pos/Default
TS1.9k_STLimit_HwNm_f32==>Min
TS1.10k_STLimit_HwNm_f32==>Max
TS1.11k_STLimit_HwNm_f32==>Pos
TS1.12k_STLimit_HwNm_f32==>Default
TS1.13k_STRampTime_Sec_f32==>Min
TS1.14k_STRampTime_Sec_f32==>Max
TS1.15k_STRampTime_Sec_f32==>Pos
TS1.16k_STRampTime_Sec_f32==>Default
TS1.17k_OutputMaxRate_HwNmpS_f32==>Min
TS1.18k_OutputMaxRate_HwNmpS_f32==>Max/Default
TS1.19k_OutputMaxRate_HwNmpS_f32==>Pos
TS1.20k_HwTrqFilt_Hz_f32==>Min
TS1.21k_HwTrqFilt_Hz_f32==>Max
TS1.22k_HwTrqFilt_Hz_f32==>Pos
TS1.23k_HwTrqFilt_Hz_f32==>Default
TS1.24k_YawRateFilt_Hz_f32==>Min
TS1.25k_YawRateFilt_Hz_f32==>Max
TS1.26k_YawRateFilt_Hz_f32==>Pos
TS1.27k_YawRateFilt_Hz_f32==>Default
TS1.28k_STFilt_Hz_f32==>Min
TS1.29k_STFilt_Hz_f32==>Max
TS1.30k_STFilt_Hz_f32==>Pos/Default
TS1.31k_LTFilt_Hz_f32==>Min
TS1.32k_LTFilt_Hz_f32==>Max
TS1.33k_LTFilt_Hz_f32==>Pos/Default
```

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	0.100000001
k_LTFilt_Hz_f32	0.00999999978
k_LTLimit_HwNm_f32	0
k_OutputMaxRate_HwNmpS_f32	0
k_STFilt_Hz_f32	0.00999999978
k_STLimit_HwNm_f32	0
k_STRampTime_Sec_f32	0.100000001
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	0.100000001

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0	0	✔
PullCmp_STStepSize_HwNm_M_f32	0	0	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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**			
k_HwTrqFilt_Hz_f32	100			
k_LTFilt_Hz_f32	100			
k_LTLimit_HwNm_f32	10			
k_OutputMaxRate_HwNmpS_f32	100			
k_STFilt_Hz_f32	100			
k_STLimit_HwNm_f32	10			
k_STRampTime_Sec_f32	30			
k_TotalLimit_HwNm_f32	10			
k_YawRateFilt_Hz_f32	100			
Name	**Actual Value**		**Expected Value**	**Result**
PullCmp_LTWindUpLimit_HwNm_M_f32	10		10	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003		0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.000666666718		0.000666666718	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1		1	✔

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

Test Step 1.3 (Repeat Count = 1)				✔
Name	**Input Value**			
k_HwTrqFilt_Hz_f32	20			
k_LTFilt_Hz_f32	0.5			
k_LTLimit_HwNm_f32	0.5			
k_OutputMaxRate_HwNmpS_f32	100			
k_STFilt_Hz_f32	0.5			
k_STLimit_HwNm_f32	1			
k_STRampTime_Sec_f32	1			
k_TotalLimit_HwNm_f32	0			
k_YawRateFilt_Hz_f32	3			
Name	**Actual Value**		**Expected Value**	**Result**
PullCmp_LTWindUpLimit_HwNm_M_f32	0		0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003		0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009		0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1		1	✔

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

Test Step 1.4 (Repeat Count = 1)				✔
Name	**Input Value**			
k_HwTrqFilt_Hz_f32	20			
k_LTFilt_Hz_f32	0.5			
k_LTLimit_HwNm_f32	0.5			
k_OutputMaxRate_HwNmpS_f32	100			
k_STFilt_Hz_f32	0.5			
k_STLimit_HwNm_f32	1			
k_STRampTime_Sec_f32	1			
k_TotalLimit_HwNm_f32	10			
k_YawRateFilt_Hz_f32	3			
Name	**Actual Value**		**Expected Value**	**Result**
PullCmp_LTWindUpLimit_HwNm_M_f32	0.5		0.5	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003		0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009		0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1		1	✔

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

Test Step 1.5 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	3.55250001
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0.5	0.5	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.6 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.7 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	10
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.8 (Repeat Count = 1)		✔
Name	**Input Value**	
k_HwTrqFilt_Hz_f32	20	
k_LTFilt_Hz_f32	0.5	
k_LTLimit_HwNm_f32	0.5	
k_OutputMaxRate_HwNmpS_f32	100	
k_STFilt_Hz_f32	0.5	
k_STLimit_HwNm_f32	1	
k_STRampTime_Sec_f32	1	
k_TotalLimit_HwNm_f32	0	
k_YawRateFilt_Hz_f32	3	

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.9 (Repeat Count = 1)		✔
Name	**Input Value**	
k_HwTrqFilt_Hz_f32	20	
k_LTFilt_Hz_f32	0.5	
k_LTLimit_HwNm_f32	0.5	
k_OutputMaxRate_HwNmpS_f32	100	
k_STFilt_Hz_f32	0.5	
k_STLimit_HwNm_f32	0	
k_STRampTime_Sec_f32	1	
k_TotalLimit_HwNm_f32	0	
k_YawRateFilt_Hz_f32	3	

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0	0	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.10 (Repeat Count = 1)		✔
Name	**Input Value**	
k_HwTrqFilt_Hz_f32	20	
k_LTFilt_Hz_f32	0.5	
k_LTLimit_HwNm_f32	0.5	
k_OutputMaxRate_HwNmpS_f32	100	
k_STFilt_Hz_f32	0.5	
k_STLimit_HwNm_f32	10	
k_STRampTime_Sec_f32	1	
k_TotalLimit_HwNm_f32	0	
k_YawRateFilt_Hz_f32	3	

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.0200000014	0.0200000014	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.11 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	3.46650004
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.0069330004	0.0069330004	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.12 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.13 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	0.100000001
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.0200000014	0.0200000014	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

Test Step Call Trace ✔

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

Test Step 1.14 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	30
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	6.66666674e-005	6.66666674e-005	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

Test Step Call Trace ✔

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

Test Step 1.15 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	23.2345009
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	8.60788932e-005	8.60788932e-005	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

Test Step Call Trace ✔

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

Test Step 1.16 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.17 (Repeat Count = 1)			✔
Name	**Input Value**		
k_HwTrqFilt_Hz_f32	20		
k_LTFilt_Hz_f32	0.5		
k_LTLimit_HwNm_f32	0.5		
k_OutputMaxRate_HwNmpS_f32	0		
k_STFilt_Hz_f32	0.5		
k_STLimit_HwNm_f32	1		
k_STRampTime_Sec_f32	1		
k_TotalLimit_HwNm_f32	0		
k_YawRateFilt_Hz_f32	3		
Name	**Actual Value**	**Expected Value**	**Result**
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0	0	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.18 (Repeat Count = 1)			✔
Name	**Input Value**		
k_HwTrqFilt_Hz_f32	20		
k_LTFilt_Hz_f32	0.5		
k_LTLimit_HwNm_f32	0.5		
k_OutputMaxRate_HwNmpS_f32	100		
k_STFilt_Hz_f32	0.5		
k_STLimit_HwNm_f32	1		
k_STRampTime_Sec_f32	1		
k_TotalLimit_HwNm_f32	0		
k_YawRateFilt_Hz_f32	3		
Name	**Actual Value**	**Expected Value**	**Result**
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.19 (Repeat Count = 1)			✔
Name	**Input Value**		
k_HwTrqFilt_Hz_f32	20		
k_LTFilt_Hz_f32	0.5		
k_LTLimit_HwNm_f32	0.5		
k_OutputMaxRate_HwNmpS_f32	35.3451996		
k_STFilt_Hz_f32	0.5		
k_STLimit_HwNm_f32	1		
k_STRampTime_Sec_f32	1		
k_TotalLimit_HwNm_f32	0		
k_YawRateFilt_Hz_f32	3		
Name	**Actual Value**	**Expected Value**	**Result**
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.0706904009	0.0706904009	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.20 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	0.100000001
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.21 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	100
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.22 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	35.4351997
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

Test Step Call Trace ✔

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

Test Step 1.23 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

Test Step Call Trace ✔

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

Test Step 1.24 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	0.100000001

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

Test Step Call Trace ✔

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

Test Step 1.25 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	100

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

Test Step Call Trace

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

Test Step 1.26 (Repeat Count = 1)

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	29.3451004

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

Test Step Call Trace

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

Test Step 1.27 (Repeat Count = 1)

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

Test Step Call Trace

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

Test Step 1.28 (Repeat Count = 1)

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.00999999978
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.29 (Repeat Count = 1)			✔
Name	**Input Value**		
k_HwTrqFilt_Hz_f32	20		
k_LTFilt_Hz_f32	0.5		
k_LTLimit_HwNm_f32	0.5		
k_OutputMaxRate_HwNmpS_f32	100		
k_STFilt_Hz_f32	100		
k_STLimit_HwNm_f32	1		
k_STRampTime_Sec_f32	1		
k_TotalLimit_HwNm_f32	0		
k_YawRateFilt_Hz_f32	3		
Name	**Actual Value**	**Expected Value**	**Result**
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.30 (Repeat Count = 1)			✔
Name	**Input Value**		
k_HwTrqFilt_Hz_f32	20		
k_LTFilt_Hz_f32	0.5		
k_LTLimit_HwNm_f32	0.5		
k_OutputMaxRate_HwNmpS_f32	100		
k_STFilt_Hz_f32	0.5		
k_STLimit_HwNm_f32	1		
k_STRampTime_Sec_f32	1		
k_TotalLimit_HwNm_f32	0		
k_YawRateFilt_Hz_f32	3		
Name	**Actual Value**	**Expected Value**	**Result**
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

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

Test Step 1.31 (Repeat Count = 1)			✔
Name	**Input Value**		
k_HwTrqFilt_Hz_f32	20		
k_LTFilt_Hz_f32	0.00999999978		
k_LTLimit_HwNm_f32	0.5		
k_OutputMaxRate_HwNmpS_f32	100		
k_STFilt_Hz_f32	0.5		
k_STLimit_HwNm_f32	1		
k_STRampTime_Sec_f32	1		
k_TotalLimit_HwNm_f32	0		
k_YawRateFilt_Hz_f32	3		
Name	**Actual Value**	**Expected Value**	**Result**
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

Test Step Call Trace ✔

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

Test Step 1.32 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	100
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

Test Step Call Trace ✔

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

Test Step 1.33 (Repeat Count = 1) ✔

Name	Input Value
k_HwTrqFilt_Hz_f32	20
k_LTFilt_Hz_f32	0.5
k_LTLimit_HwNm_f32	0.5
k_OutputMaxRate_HwNmpS_f32	100
k_STFilt_Hz_f32	0.5
k_STLimit_HwNm_f32	1
k_STRampTime_Sec_f32	1
k_TotalLimit_HwNm_f32	0
k_YawRateFilt_Hz_f32	3

Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✔
PullCmp_PullCompStepSize_HwNm_M_f32	0.200000003	0.200000003	✔
PullCmp_STStepSize_HwNm_M_f32	0.00200000009	0.00200000009	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔

Test Step Call Trace ✔

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

TEST DETAILS REPORT

Project	ActivePull
Module	ActivePull
Test Object	ActivePull_SCom_SetLTComp

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\SF013A_ActivePull_6.5.1_0_NoUTP
Configuration File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	$(PROJECTROOT)\ActivePull\src\Ap_ActivePull.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification	
Name	**Text**
Module 'ActivePull'	*******************************Unit Test Information************************************* Name of Tester:Pradnya Mhetre Code File(s) Under Test:Ap_ActivePull.c Code File(s) Version :22 Module Design Document:Active_Pull_Comp_MDD.docx Module Design Version: 14 Data Dictionary Version:14 Unit Test Plan Version: 16 Optimization Level:Ogeneral Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: None Model Version:Nexteer EPS Unit Test Tool 1.0 Total FLASH Used (Bytes):3156 Total RAM Used (Bytes): 124 Total CALS Used (Bytes): 148 Special Test Requirements:NA Test Date:3/13/2018 Comments: NOTE1: Inline Functions defined in GlobalMacro.h are not Unit Tested. NOTE2:"CBD_Sandbox_dbg.map" map file is embedded in UTP for reference. Note3: The Expected outputs are calculated from MATLAB model. Note4: Local functions "ActvCmpEna_lgc" and "CalcIntGain_f32" are not unit tested separately as those are tested in "ActivePull_Per1" function. Please refer the snapshot "ActivePull_ActivePullPer1_coverage". NOTE5:In function "ActivePull_Per3" output variable "PullCmp_VehSpdRate_KphpS_M_f32" is failing in TS3.10 because of precision difference. Please refer snapshots "Matlab _Values_VehSpdRate" and "Tessy_Values_VehSpdRate" for the same. ***

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	$(TESSY_SYSPATH)\compiler\ti\tms470\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl

Attributes

Name	Value
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
Workspace File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

UDE Config File	$(PROJECTROOT)\UnitTestEnv\config

TEST DETAILS REPORT

Test Case 1: Range Test ✔

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

TS1.1 28.00 Cycles
TS1.2 28.00 Cycles
TS1.3 28.00 Cycles
TS1.4 28.00 Cycles
TS1.5 28.00 Cycles
```

Description   Vector Description

TS1.1LTComp_HwNm1_f32==> min
TS1.2LTComp_HwNm1_f32==> max
TS1.3LTComp_HwNm1_f32==> zero
TS1.4LTComp_HwNm1_f32==> pos
TS1.5LTComp_HwNm1_f32==> neg

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value		
LTComp_HwNm_f32	-10		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		

Name	Actual Value	Expected Value	Result
PullCmp_SComLTCompSet_Cnt_M_lgc	1	1	✔
PullCmp_SComLTComp_HwNm_M_f32	-10	-10 ± 4.88E-04	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔
target_Pim_PullCmpLTComp_HwNm_f32	-10	-10	✔

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		
LTComp_HwNm_f32	10		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		

Name	Actual Value	Expected Value	Result
PullCmp_SComLTCompSet_Cnt_M_lgc	1	1	✔
PullCmp_SComLTComp_HwNm_M_f32	10	10 ± 4.88E-04	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔
target_Pim_PullCmpLTComp_HwNm_f32	10	10	✔

Test Step Call Trace ✔

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

Test Step 1.3 (Repeat Count = 1) ✔

Name	Input Value		
LTComp_HwNm_f32	0		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		

Name	Actual Value	Expected Value	Result
PullCmp_SComLTCompSet_Cnt_M_lgc	1	1	✔
PullCmp_SComLTComp_HwNm_M_f32	0	0 ± 4.88E-04	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0	✔

Test Step Call Trace ✔

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

Test Step 1.4 (Repeat Count = 1) ✔

Name	Input Value
LTComp_HwNm_f32	2.24300003
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_SComLTCompSet_Cnt_M_lgc	1	1	✔
PullCmp_SComLTComp_HwNm_M_f32	2.24300003	2.24300003 ± 4.88E-04	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔
target_Pim_PullCmpLTComp_HwNm_f32	2.24300003	2.24300003	✔

Test Step Call Trace ✔

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

Test Step 1.5 (Repeat Count = 1) ✔

Name	Input Value
LTComp_HwNm_f32	-5.23400021
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_SComLTCompSet_Cnt_M_lgc	1	1	✔
PullCmp_SComLTComp_HwNm_M_f32	-5.23400021	-5.23400021 ± 4.88E-04	✔
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✔
target_Pim_PullCmpLTComp_HwNm_f32	-5.23400021	-5.23400021	✔

Test Step Call Trace ✔

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

TEST DETAILS REPORT

ActivePull_Trns1

2018-03-13, 18:35:26+0530

Project	ActivePull
Module	ActivePull
Test Object	ActivePull_Trns1

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\SF013A_ActivePull_6.5.1_0_NoUTP
Configuration File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	$(PROJECTROOT)\ActivePull\src\Ap_ActivePull.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'ActivePull'	********************************Unit Test Information************************************** Name of Tester:Pradnya Mhetre Code File(s) Under Test:Ap_ActivePull.c Code File(s) Version :22 Module Design Document:Active_Pull_Comp_MDD.docx Module Design Version: 14 Data Dictionary Version:14 Unit Test Plan Version: 16 Optimization Level:Ogeneral Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: None Model Version:Nexteer EPS Unit Test Tool 1.0 Total FLASH Used (Bytes):3156 Total RAM Used (Bytes): 124 Total CALS Used (Bytes): 148 Special Test Requirements:NA Test Date:3/13/2018 Comments: NOTE1: Inline Functions defined in GlobalMacro.h are not Unit Tested. NOTE2:"CBD_Sandbox_dbg.map" map file is embedded in UTP for reference. Note3: The Expected outputs are calculated from MATLAB model. Note4: Local functions "ActvCmpEna_lgc" and "CalcIntGain_f32" are not unit tested separately as those are tested in "ActivePull_Per1" function. Please refer the snapshot "ActivePull_ActivePullPer1_coverage". NOTE5:In function "ActivePull_Per3" output variable "PullCmp_VehSpdRate_KphpS_M_f32" is failing in TS3.10 because of precision difference. Please refer snapshots "Matlab _Values_VehSpdRate" and "Tessy_Values_VehSpdRate" for the same. ***

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	$(TESSY_SYSPATH)\compiler\ti\tms470\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl

Attributes	
Name	**Value**
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
Workspace File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

UDE Config File $(PROJECTROOT)\UnitTestEnv\config

Test Case 1: Range Test ✓

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

TS1.1 1001.00 Cycles
TS1.2 927.00 Cycles
TS1.3 922.00 Cycles
```

Description   Vector Description

TS1.1Rte_Call_SystemTime_GetSystemTime_mS_u32==>Min
TS1.2Rte_Call_SystemTime_GetSystemTime_mS_u32==>Max
TS1.3Rte_Call_SystemTime_GetSystemTime_mS_u32==>Pos

Test Step 1.1 (Repeat Count = 1) ✓

Name	Input Value
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	0

Name	Actual Value	Expected Value	Result
PullCmp_EnableTime_mS_M_u32	0	0 ± 1	✓
PullCmp_STOppSignTime_mS_M_u32	0	0 ± 1	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	2	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	2	✓

Test Step 1.2 (Repeat Count = 1) ✓

Name	Input Value
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4294967295

Name	Actual Value	Expected Value	Result
PullCmp_EnableTime_mS_M_u32	4294967295	4294967295 ± 1	✓
PullCmp_STOppSignTime_mS_M_u32	4294967295	4294967295 ± 1	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	2	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	2	✓

Test Step 1.3 (Repeat Count = 1) ✓

Name	Input Value
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	234789

Name	Actual Value	Expected Value	Result
PullCmp_EnableTime_mS_M_u32	234789	234789 ± 1	✓
PullCmp_STOppSignTime_mS_M_u32	234789	234789 ± 1	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	2	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	2	✓

TEST DETAILS REPORT

Project	ActivePull
Module	ActivePull
Test Object	ActivePull_SCom_SetSTComp

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\SF013A_ActivePull_6.5.1_0_NoUTP
Configuration File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	$(PROJECTROOT)\ActivePull\src\Ap_ActivePull.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'ActivePull'	******************************Unit Test Information************************************* Name of Tester:Pradnya Mhetre Code File(s) Under Test:Ap_ActivePull.c Code File(s) Version :22 Module Design Document:Active_Pull_Comp_MDD.docx Module Design Version: 14 Data Dictionary Version:14 Unit Test Plan Version: 16 Optimization Level:Ogeneral Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: None Model Version:Nexteer EPS Unit Test Tool 1.0 Total FLASH Used (Bytes):3156 Total RAM Used (Bytes): 124 Total CALS Used (Bytes): 148 Special Test Requirements:NA Test Date:3/13/2018 Comments: NOTE1: Inline Functions defined in GlobalMacro.h are not Unit Tested. NOTE2:"CBD_Sandbox_dbg.map" map file is embedded in UTP for reference. Note3: The Expected outputs are calculated from MATLAB model. Note4: Local functions "ActvCmpEna_lgc" and "CalcIntGain_f32" are not unit tested separately as those are tested in "ActivePull_Per1" function. Please refer the snapshot "ActivePull_ActivePullPer1_coverage". NOTE5:In function "ActivePull_Per3" output variable "PullCmp_VehSpdRate_KphpS_M_f32" is failing in TS3.10 because of precision difference. Please refer snapshots "Matlab _Values_VehSpdRate" and "Tessy_Values_VehSpdRate" for the same. **

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	$(TESSY_SYSPATH)\compiler\ti\tms470\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl

Attributes

Name	Value
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
Workspace File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

TEST DETAILS REPORT

Test Case 1: Range Test ✔

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

TS1.1 25.00 Cycles
TS1.2 25.00 Cycles
TS1.3 25.00 Cycles
TS1.4 25.00 Cycles
TS1.5 25.00 Cycles
```

Description   Vector Description

```
TS1.1STComp_HwNm1_f32==> min
TS1.2STComp_HwNm1_f32==> max
TS1.3STComp_HwNm1_f32==> zero
TS1.4STComp_HwNm1_f32==> neg
TS1.5STComp_HwNm1_f32==> pos
```

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value		
STComp_HwNm_f32	-10		

Name	Actual Value	Expected Value	Result
PullCmp_SComSTCompSet_Cnt_M_lgc	1	1	✔
PullCmp_SComSTComp_HwNm_M_f32	-10	-10 ± 4.88E-04	✔
PullCmp_STComp_HwNm_M_f32	-10	-10	✔

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		
STComp_HwNm_f32	10		

Name	Actual Value	Expected Value	Result
PullCmp_SComSTCompSet_Cnt_M_lgc	1	1	✔
PullCmp_SComSTComp_HwNm_M_f32	10	10 ± 4.88E-04	✔
PullCmp_STComp_HwNm_M_f32	10	10	✔

Test Step Call Trace ✔

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

Test Step 1.3 (Repeat Count = 1) ✔

Name	Input Value		
STComp_HwNm_f32	0		

Name	Actual Value	Expected Value	Result
PullCmp_SComSTCompSet_Cnt_M_lgc	1	1	✔
PullCmp_SComSTComp_HwNm_M_f32	0	0 ± 4.88E-04	✔
PullCmp_STComp_HwNm_M_f32	0	0	✔

Test Step Call Trace ✔

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

Test Step 1.4 (Repeat Count = 1) ✔

Name	Input Value		
STComp_HwNm_f32	-1.31239998		

Name	Actual Value	Expected Value	Result
PullCmp_SComSTCompSet_Cnt_M_lgc	1	1	✔
PullCmp_SComSTComp_HwNm_M_f32	-1.31239998	-1.31239998 ± 4.88E-04	✔
PullCmp_STComp_HwNm_M_f32	-1.31239998	-1.31239998	✔

TEST DETAILS REPORT

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

Test Step 1.5 (Repeat Count = 1)			✔
Name	**Input Value**		
STComp_HwNm_f32	4.23400021		
Name	**Actual Value**	**Expected Value**	**Result**
PullCmp_SComSTCompSet_Cnt_M_lgc	1	1	✔
PullCmp_SComSTComp_HwNm_M_f32	4.23400021	4.23400021 ± 4.88E-04	✔
PullCmp_STComp_HwNm_M_f32	4.23400021	4.23400021	✔

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

2018-03-13, 18:42:44+0530

Project	ActivePull
Module	ActivePull
Test Object	ActivePull_Per3

Instrumentation: Test Object Only

Statement (C0) Coverage	93.93 %
Decision Coverage	91.66 %
Branch (C1) Coverage	91.66 %
MC/DC Coverage	92.3 %

Statistics

Total Testcases	3
Successful	2
Failed	1
Not Executed	0

Module Properties

Project Root Directory	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP
Configuration File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	$(PROJECTROOT)\ActivePull\src\Ap_ActivePull.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification	
Name	**Text**
Module 'ActivePull'	*********************************Unit Test Information************************************** Name of Tester:Pradnya Mhetre Code File(s) Under Test:Ap_ActivePull.c Code File(s) Version :22 Module Design Document:Active_Pull_Comp_MDD.docx Module Design Version: 14 Data Dictionary Version:14 Unit Test Plan Version: 16 Optimization Level:Ogeneral Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: None Model Version:Nexteer EPS Unit Test Tool 1.0 Total FLASH Used (Bytes):3156 Total RAM Used (Bytes): 124 Total CALS Used (Bytes): 148 Special Test Requirements:NA Test Date:3/13/2018 Comments: NOTE1: Inline Functions defined in GlobalMacro.h are not Unit Tested. NOTE2:"CBD_Sandbox_dbg.map" map file is embedded in UTP for reference. Note3: The Expected outputs are calculated from MATLAB model. Note4: Local functions "ActvCmpEna_lgc" and "CalcIntGain_f32" are not unit tested separately as those are tested in "ActivePull_Per1" function. Please refer the snapshot "ActivePull_ActivePullPer1_coverage". NOTE5:In function "ActivePull_Per3" output variable "PullCmp_VehSpdRate_KphpS_M_f32" is failing in TS3.10 because of precision difference. Please refer snapshots "Matlab _Values_VehSpdRate" and "Tessy_Values_VehSpdRate" for the same. **

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

Attributes

Name	Value
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(TESSY_SYSPATH)\compiler\ti\tms470\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.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
Workspace File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Range Test ✓

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS1.1 56.00 Cycles TS1.2 263.00 Cycles TS1.3 391.00 Cycles TS1.4 351.00 Cycles TS1.5 327.00 Cycles TS1.6 329.00 Cycles TS1.7 56.00 Cycles TS1.8 56.00 Cycles TS1.9 382.00 Cycles TS1.10 380.00 Cycles TS1.11 56.00 Cycles TS1.12 284.00 Cycles TS1.13 370.00 Cycles TS1.14 56.00 Cycles TS1.15 325.00 Cycles TS1.16 56.00 Cycles TS1.17 270.00 Cycles
Description	Vector Description: TS1.1All Min TS1.2All Max TS1.3VehicleSpeed_Kph_f32==>Min TS1.4VehicleSpeed_Kph_f32==>Max TS1.5VehicleSpeed_Kph_f32==>Pos TS1.6HwTorque_HwNm_f32==>Min TS1.7HwTorque_HwNm_f32==>Max TS1.8HwTorque_HwNm_f32==>Pos TS1.9HwTorque_HwNm_f32==>Zero TS1.10HwTorque_HwNm_f32==>Neg TS1.11PullCmpEna_Cnt_lgc==>Min TS1.12PullCmpEna_Cnt_lgc==>Max TS1.13PullCmpLongTermIntgtrStOffs_HwNm_f32==>Min TS1.14PullCmpLongTermIntgtrStOffs_HwNm_f32==>Max TS1.15PullCmpLongTermIntgtrStOffs_HwNm_f32==>Pos TS1.16PullCmpLongTermIntgtrStOffs_HwNm_f32==>Zero TS1.17PullCmpLongTermIntgtrStOffs_HwNm_f32==>Neg

Test Step 1.1 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-20
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.00626348704
PullCmp_LTIntGain_Uls_M_f32	1.87500009e-005
PullCmp_LTWindUpLimit_HwNm_M_f32	0
PullCmp_PrevLTLearnTime_Min_M_u16	0
PullCmp_PrevVehSpd_Kph_M_f32	0
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	-10
PullCmp_STComp_HwNm_M_f32	-10
PullCmp_VehSpdRate_KphpS_M_f32	-5110
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0
k_LTIntInputLimit_HwNm_f32	0
k_LTLearnTime_Min_f32	5
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-10
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	0
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-10
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-20	-20 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	1.87500009e-005	1.87500009e-005 ± 0.0000000074505805969238828125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	0	0 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	0	0	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	-5110	-5110	✓
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Name	Actual Value	Expected Value	Result
target_Pim_PullCmpLTComp_HwNm_f32	-10	-10 ± 0.00390625	✔

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
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	20
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000449999992
PullCmp_LTWindUpLimit_HwNm_M_f32	10
PullCmp_PrevLTLearnTime_Min_M_u16	120
PullCmp_PrevVehSpd_Kph_M_f32	511
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	10
PullCmp_STComp_HwNm_M_f32	10
PullCmp_VehSpdRate_KphpS_M_f32	5110
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	10
k_LTIntInputLimit_HwNm_f32	10
k_LTLearnTime_Min_f32	120
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per3_HwTorque_HwNm_f32.value	10
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	511
target_Pim_PullCmpLTComp_HwNm_f32	10
target Rte Inst Ap ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	20	20 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	0.000449999992	0.000449999992 ± 0.0000000074505805969623828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	120	120 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	511	511	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✔

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

Test Step 1.3 (Repeat Count = 1)   ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.00626348704
PullCmp_LTIntGain_Uls_M_f32	0
PullCmp_LTWindUpLimit_HwNm_M_f32	0
PullCmp_PrevLTLearnTime_Min_M_u16	0
PullCmp_PrevVehSpd_Kph_M_f32	0
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	0
PullCmp_STComp_HwNm_M_f32	0
PullCmp_VehSpdRate_KphpS_M_f32	0
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull

Name	Input Value		
k_FiltDeadband_HwNm_f32	0.25		
k_LTIntInputLimit_HwNm_f32	3		
k_LTLearnTime_Min_f32	45		
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001		
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.3920002		
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.3920002		
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1		
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	0		
target_Pim_PullCmpLTComp_HwNm_f32	0		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.0337727219	-0.0337727219 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000000074508805969238 28125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	0	0	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✓
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0.539200008	0.539200008 ± 0.00048828125	✓
target_Pim_PullCmpLTComp_HwNm_f32	0.539200008	0.539200008 ± 0.00390625	✓

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

Test Step 1.4 (Repeat Count = 1)			✓
Name	**Input Value**		
PullCmp_EnableLearn_Cnt_M_lgc	*none*		
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	*none*		
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	*none*		
PullCmp_LTIntGain_Uls_M_f32	*none*		
PullCmp_LTWindUpLimit_HwNm_M_f32	*none*		
PullCmp_PrevLTLearnTime_Min_M_u16	*none*		
PullCmp_PrevVehSpd_Kph_M_f32	*none*		
PullCmp_ResetPer3_Cnt_M_lgc	*none*		
PullCmp_SComLTCompSet_Cnt_M_lgc	*none*		
PullCmp_SComLTComp_HwNm_M_f32	*none*		
PullCmp_STComp_HwNm_M_f32	*none*		
PullCmp_VehSpdRate_KphpS_M_f32	*none*		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
k_FiltDeadband_HwNm_f32	0.25		
k_LTIntInputLimit_HwNm_f32	3		
k_LTLearnTime_Min_f32	45		
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001		
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.3920002		
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.3920002		
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1		
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	511		
target_Pim_PullCmpLTComp_HwNm_f32	*none*		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.0673339069	-0.0673339069 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000000074508805969238 28125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	511	511	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	5110	5110	✓

Name	Actual Value	Expected Value	Result
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0.539200008	0.539200008 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0.539200008	0.539200008 ± 0.00390625	✔

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

Test Step 1.5 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_LTIntGain_Uls_M_f32	*none*	
PullCmp_LTWindUpLimit_HwNm_M_f32	*none*	
PullCmp_PrevLTLearnTime_Min_M_u16	*none*	
PullCmp_PrevVehSpd_Kph_M_f32	*none*	
PullCmp_ResetPer3_Cnt_M_lgc	*none*	
PullCmp_SComLTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComLTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_FiltDeadband_HwNm_f32	0.25	
k_LTIntInputLimit_HwNm_f32	3	
k_LTLearnTime_Min_f32	45	
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001	
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.3920002	
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.3920002	
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1	
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	233.320007	
target_Pim_PullCmpLTComp_HwNm_f32	*none*	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	

Name	**Actual Value**	**Expected Value**	**Result**
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.100684881	-0.100684881 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281250	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	233.320007	233.320007	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-2776.7998	-2776.7998	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0.539200008	0.539200008 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0.539200008	0.539200008 ± 0.00390625	✔

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

Test Step 1.6 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_LTIntGain_Uls_M_f32	*none*	
PullCmp_LTWindUpLimit_HwNm_M_f32	*none*	
PullCmp_PrevLTLearnTime_Min_M_u16	*none*	
PullCmp_PrevVehSpd_Kph_M_f32	*none*	
PullCmp_ResetPer3_Cnt_M_lgc	*none*	
PullCmp_SComLTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComLTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	

Name	Input Value
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-10
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	193.933594
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.16268912	-0.16268912 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238228125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	193.933594	193.933594	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	-393.864136	-393.863983	✓
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	1	1 ± 0.00048828125	✓
target_Pim_PullCmpLTComp_HwNm_f32	1	1 ± 0.00390625	✓

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

Test Step 1.7 (Repeat Count = 1)		✓
Name	**Input Value**	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_LTIntGain_Uls_M_f32	*none*	
PullCmp_LTWindUpLimit_HwNm_M_f32	*none*	
PullCmp_PrevLTLearnTime_Min_M_u16	*none*	
PullCmp_PrevVehSpd_Kph_M_f32	*none*	
PullCmp_ResetPer3_Cnt_M_lgc	*none*	
PullCmp_SComLTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComLTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_FiltDeadband_HwNm_f32	0.25	
k_LTIntInputLimit_HwNm_f32	3	
k_LTLearnTime_Min_f32	45	
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001	
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	10	
target_ActivePull_Per3_HwTorque_HwNm_f32.value	10	
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1	
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	445.439514	
target_Pim_PullCmpLTComp_HwNm_f32	*none*	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.0990352482	-0.0990352482 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238228125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	445.439514	445.439514	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓

Name	Actual Value	Expected Value	Result
PullCmp_VehSpdRate_KphpS_M_f32	2515.05908	2515.05908	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-1	-1 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-1	-1 ± 0.00390625	✔

Test Step Call Trace ✔

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

Test Step 1.8 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_LTIntGain_Uls_M_f32	*none*
PullCmp_LTWindUpLimit_HwNm_M_f32	*none*
PullCmp_PrevLTLearnTime_Min_M_u16	*none*
PullCmp_PrevVehSpd_Kph_M_f32	*none*
PullCmp_ResetPer3_Cnt_M_lgc	*none*
PullCmp_SComLTCompSet_Cnt_M_lgc	*none*
PullCmp_SComLTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	3.352
target_ActivePull_Per3_HwTorque_HwNm_f32.value	3.352
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	160.515396
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.0774197355	-0.0774197355 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969623828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	160.515396	160.515396	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-2849.24121	-2849.24097	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0.335200012	-0.335200012 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-0.335200012	-0.335200012 ± 0.00390625	✔

Test Step Call Trace ✔

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

Test Step 1.9 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_LTIntGain_Uls_M_f32	*none*
PullCmp_LTWindUpLimit_HwNm_M_f32	*none*
PullCmp_PrevLTLearnTime_Min_M_u16	*none*
PullCmp_PrevVehSpd_Kph_M_f32	*none*
PullCmp_ResetPer3_Cnt_M_lgc	*none*
PullCmp_SComLTCompSet_Cnt_M_lgc	*none*
PullCmp_SComLTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*

Name	Input Value
PullCmp_VehSpdRate_KphpS_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	0
target_ActivePull_Per3_HwTorque_HwNm_f32.value	0
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	214.5065
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.0769348145	-0.0769348145 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	214.5065	214.5065	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	539.911011	539.911011	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-0	0 ± 0.00390625	✔

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

Test Step 1.10 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_LTIntGain_Uls_M_f32	*none*
PullCmp_LTWindUpLimit_HwNm_M_f32	*none*
PullCmp_PrevLTLearnTime_Min_M_u16	*none*
PullCmp_PrevVehSpd_Kph_M_f32	*none*
PullCmp_ResetPer3_Cnt_M_lgc	*none*
PullCmp_SComLTCompSet_Cnt_M_lgc	*none*
PullCmp_SComLTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-6.42999983
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-6.42999983
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	118.877098
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.116727158	-0.116727158 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	118.877098	118.877098	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔

ActivePull_Per3

Name	Actual Value	Expected Value	Result
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-956.294006	-956.294006	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0.643000007	0.643000007 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0.643000007	0.643000007 ± 0.00390625	✔

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

Test Step 1.11 (Repeat Count = 1)   ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_LTIntGain_Uls_M_f32	*none*
PullCmp_LTWindUpLimit_HwNm_M_f32	*none*
PullCmp_PrevLTLearnTime_Min_M_u16	*none*
PullCmp_PrevVehSpd_Kph_M_f32	*none*
PullCmp_ResetPer3_Cnt_M_lgc	*none*
PullCmp_SComLTCompSet_Cnt_M_lgc	*none*
PullCmp_SComLTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	9.07900047
target_ActivePull_Per3_HwTorque_HwNm_f32.value	9.07900047
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	0
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	46.7341003
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.116727158	-0.116727158 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000000074505805969923828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	118.877098	118.877098	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-956.294006	-956.294006	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0.643000007	0.643000007 ± 0.00390625	✔

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

Test Step 1.12 (Repeat Count = 1)   ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_LTIntGain_Uls_M_f32	*none*
PullCmp_LTWindUpLimit_HwNm_M_f32	*none*
PullCmp_PrevLTLearnTime_Min_M_u16	*none*
PullCmp_PrevVehSpd_Kph_M_f32	*none*
PullCmp_ResetPer3_Cnt_M_lgc	*none*
PullCmp_SComLTCompSet_Cnt_M_lgc	*none*
PullCmp_SComLTComp_HwNm_M_f32	*none*

Name	Input Value
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	0.0346000008
target_ActivePull_Per3_HwTorque_HwNm_f32.value	0.0346000008
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	284.256805
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.115779325	-0.115779333 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969923828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	284.256805	284.256805	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	1653.797	1653.797	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0.00346000004	-0.00346000004 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-0.00346000004	-0.00346000004 ± 0.00390625	✔

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

Test Step 1.13 (Repeat Count = 1)	✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_LTIntGain_Uls_M_f32	*none*
PullCmp_LTWindUpLimit_HwNm_M_f32	*none*
PullCmp_PrevLTLearnTime_Min_M_u16	*none*
PullCmp_PrevVehSpd_Kph_M_f32	*none*
PullCmp_ResetPer3_Cnt_M_lgc	*none*
PullCmp_SComLTCompSet_Cnt_M_lgc	*none*
PullCmp_SComLTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per3_HwTorque_HwNm_f32.value	9.75399971
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	228.478699
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.0539600961	-0.0539600961 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969923828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	228.478699	228.478699	✔

TEST DETAILS REPORT

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ActivePull_Per3

Name	Actual Value	Expected Value	Result
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	-557.781067	-557.781006	✓
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	1	1 ± 0.00048828125	✓
target_Pim_PullCmpLTComp_HwNm_f32	1	1 ± 0.00390625	✓

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

Test Step 1.14 (Repeat Count = 1)		✓
Name	**Input Value**	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_LTIntGain_Uls_M_f32	*none*	
PullCmp_LTWindUpLimit_HwNm_M_f32	*none*	
PullCmp_PrevLTLearnTime_Min_M_u16	*none*	
PullCmp_PrevVehSpd_Kph_M_f32	*none*	
PullCmp_ResetPer3_Cnt_M_lgc	*none*	
PullCmp_SComLTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComLTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_FiltDeadband_HwNm_f32	0.25	
k_LTIntInputLimit_HwNm_f32	3	
k_LTLearnTime_Min_f32	45	
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001	
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	10	
target_ActivePull_Per3_HwTorque_HwNm_f32.value	4.50759983	
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1	
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	259.535889	
target_Pim_PullCmpLTComp_HwNm_f32	*none*	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	
Name	**Actual Value**	**Expected Value**	**Result**
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.0253888238	-0.0253888238 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969923828125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	259.535889	259.535889	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	310.571899	310.571991	✓
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-1	-1 ± 0.00048828125	✓
target_Pim_PullCmpLTComp_HwNm_f32	-1	-1 ± 0.00390625	✓

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

Test Step 1.15 (Repeat Count = 1)		✓
Name	**Input Value**	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_LTIntGain_Uls_M_f32	*none*	
PullCmp_LTWindUpLimit_HwNm_M_f32	*none*	
PullCmp_PrevLTLearnTime_Min_M_u16	*none*	
PullCmp_PrevVehSpd_Kph_M_f32	*none*	
PullCmp_ResetPer3_Cnt_M_lgc	*none*	
PullCmp_SComLTCompSet_Cnt_M_lgc	*none*	

Name	Input Value
PullCmp_SComLTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	1.45200002
target_ActivePull_Per3_HwTorque_HwNm_f32.value	5.75089979
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	354.851501
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	0.0107908826	0.0107908826 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.000000007450580596923828125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	354.851501	354.851501	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	953.156128	953.155945	✓
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0.145199999	-0.145199999 ± 0.00048828125	✓
target_Pim_PullCmpLTComp_HwNm_f32	-0.145199999	-0.145199999 ± 0.00390625	✓

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

Test Step 1.16 (Repeat Count = 1)		✓
Name	**Input Value**	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_LTIntGain_Uls_M_f32	*none*	
PullCmp_LTWindUpLimit_HwNm_M_f32	*none*	
PullCmp_PrevLTLearnTime_Min_M_u16	*none*	
PullCmp_PrevVehSpd_Kph_M_f32	*none*	
PullCmp_ResetPer3_Cnt_M_lgc	*none*	
PullCmp_SComLTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComLTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_FiltDeadband_HwNm_f32	0.25	
k_LTIntInputLimit_HwNm_f32	3	
k_LTLearnTime_Min_f32	45	
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001	
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	0	
target_ActivePull_Per3_HwTorque_HwNm_f32.value	5.75089979	
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1	
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	354.851501	
target_Pim_PullCmpLTComp_HwNm_f32	*none*	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	0.0467439815	0.0467439815 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.000000007450580596923828125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓

Name	Actual Value	Expected Value	Result
PullCmp_PrevVehSpd_Kph_M_f32	354.851501	354.851501	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-0	0 ± 0.00390625	✔

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

Test Step 1.17 (Repeat Count = 1)		✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_LTIntGain_Uls_M_f32	*none*
PullCmp_LTWindUpLimit_HwNm_M_f32	*none*
PullCmp_PrevLTLearnTime_Min_M_u16	*none*
PullCmp_PrevVehSpd_Kph_M_f32	*none*
PullCmp_ResetPer3_Cnt_M_lgc	*none*
PullCmp_SComLTCompSet_Cnt_M_lgc	*none*
PullCmp_SComLTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-1.53299999
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-9.21860027
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	337.623291
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.0112893842	-0.0112893842 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281255	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	337.623291	337.623291	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-172.282104	-172.282013	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0.153300002	0.153300002 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0.153300002	0.153300002 ± 0.00390625	✔

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

Test Case 2: PIM Range Test ✓

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

TS2.1 56.00 Cycles
TS2.2 263.00 Cycles
TS2.3 391.00 Cycles
TS2.4 351.00 Cycles
TS2.5 327.00 Cycles
TS2.6 329.00 Cycles
TS2.7 56.00 Cycles
TS2.8 56.00 Cycles
TS2.9 382.00 Cycles
TS2.10 380.00 Cycles
TS2.11 56.00 Cycles
TS2.12 284.00 Cycles
TS2.13 370.00 Cycles
TS2.14 56.00 Cycles
TS2.15 325.00 Cycles
TS2.16 56.00 Cycles
TS2.17 270.00 Cycles
TS2.18 56.00 Cycles
TS2.19 56.00 Cycles
TS2.20 56.00 Cycles
TS2.21 56.00 Cycles
TS2.22 355.00 Cycles
TS2.23 348.00 Cycles
TS2.24 56.00 Cycles
TS2.25 56.00 Cycles
TS2.26 315.00 Cycles
TS2.27 56.00 Cycles
TS2.28 247.00 Cycles
TS2.29 56.00 Cycles
TS2.30 300.00 Cycles
TS2.31 56.00 Cycles
TS2.32 300.00 Cycles
TS2.33 56.00 Cycles
TS2.34 301.00 Cycles
TS2.35 56.00 Cycles
TS2.36 56.00 Cycles
TS2.37 56.00 Cycles
TS2.38 374.00 Cycles
TS2.39 56.00 Cycles
TS2.40 367.00 Cycles
TS2.41 56.00 Cycles
```

Description   Vector Description:

```
TS2.1PullCmp_ResetPer3_Cnt_M_lgc==>Min
TS2.2PullCmp_ResetPer3_Cnt_M_lgc==>Max
TS2.3PullCmp_SComLTCompSet_Cnt_M_lgc==>Min
TS2.4PullCmp_SComLTCompSet_Cnt_M_lgc==>Max
TS2.5PullCmp_SComLTComp_HwNm_M_f32==>Min
TS2.6PullCmp_SComLTComp_HwNm_M_f32==>Max
TS2.7PullCmp_SComLTComp_HwNm_M_f32==>Pos
TS2.8PullCmp_SComLTComp_HwNm_M_f32==>Zero
TS2.9PullCmp_SComLTComp_HwNm_M_f32==>Neg
TS2.10PullCmp_HwTorqueLTSV_HwNm_M_Str.K==>Min
TS2.11PullCmp_HwTorqueLTSV_HwNm_M_Str.K==>Max
TS2.12PullCmp_HwTorqueLTSV_HwNm_M_Str.K==>Pos
TS2.13PullCmp_HwTorqueLTSV_HwNm_M_Str.SV==>Min
TS2.14PullCmp_HwTorqueLTSV_HwNm_M_Str.SV==>Max
TS2.15PullCmp_HwTorqueLTSV_HwNm_M_Str.SV==>Pos
TS2.16PullCmp_HwTorqueLTSV_HwNm_M_Str.SV==>Zero
TS2.17PullCmp_HwTorqueLTSV_HwNm_M_Str.SV==>Neg
TS2.18PullCmp_PrevLTLearnTime_Min_M_u16==>Min
TS2.19PullCmp_PrevLTLearnTime_Min_M_u16==>Max
TS2.20PullCmp_PrevLTLearnTime_Min_M_u16==>Pos
TS2.21PullCmp_LTIntGain_Uls_M_f32==>Min
TS2.22PullCmp_LTIntGain_Uls_M_f32==>Max
TS2.23PullCmp_LTIntGain_Uls_M_f32==>Pos
TS2.24PullCmpLTComp_HwNm_f32==>Min
TS2.25PullCmpLTComp_HwNm_f32==>Max
TS2.26PullCmpLTComp_HwNm_f32==>Pos
TS2.27PullCmpLTComp_HwNm_f32==>Zero
TS2.28PullCmpLTComp_HwNm_f32==>Neg
TS2.29PullCmp_PrevVehSpd_Kph_M_f32==>Min
TS2.30PullCmp_PrevVehSpd_Kph_M_f32==>Max
TS2.31PullCmp_PrevVehSpd_Kph_M_f32==>Pos
TS2.32PullCmp_EnableLearn_Cnt_M_lgc==>Min
TS2.33PullCmp_EnableLearn_Cnt_M_lgc==>Max
TS2.34PullCmp_LTWindUpLimit_HwNm_M_f32==>Min
TS2.35PullCmp_LTWindUpLimit_HwNm_M_f32==>Max
TS2.36PullCmp_LTWindUpLimit_HwNm_M_f32==>Pos
TS2.37PullCmp_STComp_HwNm_M_f32==>Min
TS2.38PullCmp_STComp_HwNm_M_f32==>Max
TS2.39PullCmp_STComp_HwNm_M_f32==>Pos
TS2.40PullCmp_STComp_HwNm_M_f32==>Zero
TS2.41PullCmp_STComp_HwNm_M_f32==>Neg
```

Test Step 2.1 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-1.88728964
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.0966849327
PullCmp_LTIntGain_Uls_M_f32	0.000310642994
PullCmp_LTWindUpLimit_HwNm_M_f32	3.75629997

Name	Input Value
PullCmp_PrevLTLearnTime_Min_M_u16	0
PullCmp_PrevVehSpd_Kph_M_f32	257.690613
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	-3.9368999
PullCmp_STComp_HwNm_M_f32	-3.75629997
PullCmp_VehSpdRate_KphpS_M_f32	-472.918091
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-7.38560009
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-7.38560009
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	233.799103
target_Pim_PullCmpLTComp_HwNm_f32	-3.75629997
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-2.78207111	-2.78207111 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505809596923828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	233.799103	233.799103	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-238.9151	-238.915009	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-3.01774001	-3.01774001 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-3.01774001	-3.01774001 ± 0.00390625	✔

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
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-4.87395716
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.831735611
PullCmp_LTIntGain_Uls_M_f32	0.000167759994
PullCmp_LTWindUpLimit_HwNm_M_f32	1.65279996
PullCmp_PrevLTLearnTime_Min_M_u16	80
PullCmp_PrevVehSpd_Kph_M_f32	276.355988
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	0.181899995
PullCmp_STComp_HwNm_M_f32	-1.65279996
PullCmp_VehSpdRate_KphpS_M_f32	1224.67517
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	5.36859989
target_ActivePull_Per3_HwTorque_HwNm_f32.value	5.36859989
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	368.093109
target_Pim_PullCmpLTComp_HwNm_f32	-1.65279996
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	2.27044964	2.27044964 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238 28125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	368.093109	368.093109	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	917.371216	917.370972	✓
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✓

Test Step Call Trace

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

Test Step 2.3 (Repeat Count = 1)

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-9.06342983
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000136846997
PullCmp_LTWindUpLimit_HwNm_M_f32	1.9418
PullCmp_PrevLTLearnTime_Min_M_u16	44
PullCmp_PrevVehSpd_Kph_M_f32	281.203613
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	0.720399976
PullCmp_STComp_HwNm_M_f32	-1.9418
PullCmp_VehSpdRate_KphpS_M_f32	3400.74829
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	2.23270011
target_ActivePull_Per3_HwTorque_HwNm_f32.value	2.23270011
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	22.8885994
target_Pim_PullCmpLTComp_HwNm_f32	-1.9418

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	0.29090023	0.29090023 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969 23828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	22.8885994	22.8885994	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-2583.1499	-2583.1499	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✔

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
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	4.89091206
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	2.59000008e-005
PullCmp_LTWindUpLimit_HwNm_M_f32	4
PullCmp_PrevLTLearnTime_Min_M_u16	4
PullCmp_PrevVehSpd_Kph_M_f32	436.129486
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	1.37849998
PullCmp_STComp_HwNm_M_f32	4
PullCmp_VehSpdRate_KphpS_M_f32	-1993.81885
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.93540001
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.93540001
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	320.980804
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-1.93540001	-1.93540001 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969 23828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	320.980804	320.980804	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-1151.48682	-1151.48694	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	1.97194314	1.97203994 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	1.97194314	1.97203994 ± 0.00390625	✔

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

Test Step 2.5 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-13.9423876
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.750996172
PullCmp_LTIntGain_Uls_M_f32	2.59000008e-005
PullCmp_LTWindUpLimit_HwNm_M_f32	4
PullCmp_PrevLTLearnTime_Min_M_u16	37
PullCmp_PrevVehSpd_Kph_M_f32	454.945587
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	-10
PullCmp_STComp_HwNm_M_f32	4
PullCmp_VehSpdRate_KphpS_M_f32	-166.662399
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-0.151199996
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-0.151199996
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	257.690613
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.581274033	-0.581274033 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	257.690613	257.690613	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-1972.54968	-1972.55005	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✔

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
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	7.90583944
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000141312004
PullCmp_LTWindUpLimit_HwNm_M_f32	2.22729993
PullCmp_PrevLTLearnTime_Min_M_u16	0
PullCmp_PrevVehSpd_Kph_M_f32	67.7160034
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	10
PullCmp_STComp_HwNm_M_f32	-2.22729993
PullCmp_VehSpdRate_KphpS_M_f32	-4157.04541
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	9.03100014
target_ActivePull_Per3_HwTorque_HwNm_f32.value	9.03100014
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	276.355988
target_Pim_PullCmpLTComp_HwNm_f32	-2.22729993

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwM	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	6.80370045	6.80370045 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	276.355988	276.355988	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	2086.3999	2086.3999	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	1.32419991	1.32419991 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	1.32419991	1.32419991 ± 0.00390625	✔

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

Test Step 2.7 (Repeat Count = 1)		✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	1.00367427
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	8.18999979e-005
PullCmp_LTWindUpLimit_HwNm_M_f32	1.72809994
PullCmp_PrevLTLearnTime_Min_M_u16	27
PullCmp_PrevVehSpd_Kph_M_f32	397.748688
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	1.32000005
PullCmp_STComp_HwNm_M_f32	1.72809994
PullCmp_VehSpdRate_KphpS_M_f32	2865.17847
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	1.21700001
target_ActivePull_Per3_HwTorque_HwNm_f32.value	1.21700001
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	281.203613
target_Pim_PullCmpLTComp_HwNm_f32	1.72809994
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	2.94509983	2.94509983 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	281.203613	281.203613	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-1165.45068	-1165.45093	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✔

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
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	10.7201185
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.118384972
PullCmp_LTIntGain_Uls_M_f32	0.000427875988
PullCmp_LTWindUpLimit_HwNm_M_f32	1.97259998
PullCmp_PrevLTLearnTime_Min_M_u16	44
PullCmp_PrevVehSpd_Kph_M_f32	320.980804
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	0
PullCmp_STComp_HwNm_M_f32	1.97259998
PullCmp_VehSpdRate_KphpS_M_f32	-1438.27991
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-9.60060024
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-9.60060024
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	436.129486
target_Pim_PullCmpLTComp_HwNm_f32	1.97259998
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.54797745	8.54797745 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000007450580596923828125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	436.129486	436.129486	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	1151.48682	1151.48694	✓
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0.960210085	0.96006006 ± 0.00048828125	✓
target_Pim_PullCmpLTComp_HwNm_f32	0.960210085	0.96006006 ± 0.00390625	✓

Test Step Call Trace ✓

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

Test Step 2.9 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	12.7284393
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000175572
PullCmp_LTWindUpLimit_HwNm_M_f32	0.344099998
PullCmp_PrevLTLearnTime_Min_M_u16	53
PullCmp_PrevVehSpd_Kph_M_f32	257.690613
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	-3.12299991
PullCmp_STComp_HwNm_M_f32	0.344099998
PullCmp_VehSpdRate_KphpS_M_f32	-3682.85791
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	8.81849957
target_ActivePull_Per3_HwTorque_HwNm_f32.value	8.81849957
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	454.945587
target_Pim_PullCmpLTComp_HwNm_f32	0.344099998

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	9.16259956	9.16259956 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000000074505805969238 28125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	454.945587	454.945587	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	1972.54968	1972.55005	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✔

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
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	5.66801643
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.00626348704
PullCmp_LTIntGain_Uls_M_f32	0.000335113
PullCmp_LTWindUpLimit_HwNm_M_f32	0.601499975
PullCmp_PrevLTLearnTime_Min_M_u16	111
PullCmp_PrevVehSpd_Kph_M_f32	276.355988
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	0.602100015
PullCmp_STComp_HwNm_M_f32	0.601499975
PullCmp_VehSpdRate_KphpS_M_f32	4437.67334
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per3_HwTorque_HwNm_f32.value	10
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	67.7160034
target_Pim_PullCmpLTComp_HwNm_f32	0.601499975
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	5.69891739	5.69891739 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000000074505805969238 28125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	67.7160034	67.7160034	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-2086.3999	-2086.3999	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0.398500025	-0.398500025 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-0.398500025	-0.398500025 ± 0.00390625	✔

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

Test Step 2.11 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	13.6431694
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000354137999
PullCmp_LTWindUpLimit_HwNm_M_f32	0.34920001
PullCmp_PrevLTLearnTime_Min_M_u16	102
PullCmp_PrevVehSpd_Kph_M_f32	281.203613
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	3.86470008
PullCmp_STComp_HwNm_M_f32	-0.34920001
PullCmp_VehSpdRate_KphpS_M_f32	-4281.12451
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	3.32680011
target_ActivePull_Per3_HwTorque_HwNm_f32.value	3.32680011
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	397.748688
target_Pim_PullCmpLTComp_HwNm_f32	-0.34920001
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	2.9776001	2.9776001 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000000074505805969238281250	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	397.748688	397.748688	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	1165.45068	1165.45093	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0.681879997	-0.681879997 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-0.681879997	-0.681879997 ± 0.00390625	✔

Test Step Call Trace ✔

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

Test Step 2.12 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-8.72644329
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.348699987
PullCmp_LTIntGain_Uls_M_f32	0.000243000002
PullCmp_LTWindUpLimit_HwNm_M_f32	0.226099998
PullCmp_PrevLTLearnTime_Min_M_u16	74
PullCmp_PrevVehSpd_Kph_M_f32	436.129486
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	-1.43690002
PullCmp_STComp_HwNm_M_f32	0.226099998
PullCmp_VehSpdRate_KphpS_M_f32	-2694.68213
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.63000011
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.63000011
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	206.6194
target_Pim_PullCmpLTComp_HwNm_f32	0.226099998

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-7.56787252	-7.56787252 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281253	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	206.6194	206.6194	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-2295.10083	-2295.10107	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0.789100051	0.789100051 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0.789100051	0.789100051 ± 0.00390625	✔

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

Test Step 2.13 (Repeat Count = 1)	✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-20
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.112937413
PullCmp_LTIntGain_Uls_M_f32	0.000243000002
PullCmp_LTWindUpLimit_HwNm_M_f32	4
PullCmp_PrevLTLearnTime_Min_M_u16	69
PullCmp_PrevVehSpd_Kph_M_f32	454.945587
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	4
PullCmp_VehSpdRate_KphpS_M_f32	-819.467407
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-7.74380016
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-7.74380016
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	399.101013
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-18.1640663	-18.1640663 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281253	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	399.101013	399.101013	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-558.44574	-558.445984	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	4.77423	4.77438021 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	4.77423	4.77438021 ± 0.00390625	✔

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

Test Step 2.14 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	20
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000243000002
PullCmp_LTWindUpLimit_HwNm_M_f32	1.02359998
PullCmp_PrevLTLearnTime_Min_M_u16	11
PullCmp_PrevVehSpd_Kph_M_f32	67.7160034
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	2.5474
PullCmp_STComp_HwNm_M_f32	1.02359998
PullCmp_VehSpdRate_KphpS_M_f32	1120.2002
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.01300001
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.01300001
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	36.3748016
target_Pim_PullCmpLTComp_HwNm_f32	1.02359998
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-3.98939896	-3.98939896 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	36.3748016	36.3748016	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-313.412018	-313.411987	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✔

Test Step Call Trace ✔

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

Test Step 2.15 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	11.1233997
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.940728009
PullCmp_LTIntGain_Uls_M_f32	0.000290380995
PullCmp_LTWindUpLimit_HwNm_M_f32	4
PullCmp_PrevLTLearnTime_Min_M_u16	96
PullCmp_PrevVehSpd_Kph_M_f32	397.748688
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	3.9282999
PullCmp_STComp_HwNm_M_f32	4
PullCmp_VehSpdRate_KphpS_M_f32	2629.44971
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-3.68580008
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-3.68580008
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	192.397202
target_Pim_PullCmpLTComp_HwNm_f32	4

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	0.954882622	0.954882622 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	192.397202	192.397202	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-2053.51489	-2053.51489	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✔

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

Test Step 2.16 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.600726783
PullCmp_LTIntGain_Uls_M_f32	0.000290380995
PullCmp_LTWindUpLimit_HwNm_M_f32	3.70510006
PullCmp_PrevLTLearnTime_Min_M_u16	74
PullCmp_PrevVehSpd_Kph_M_f32	206.6194
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	0.923399985
PullCmp_STComp_HwNm_M_f32	-3.70510006
PullCmp_VehSpdRate_KphpS_M_f32	-1524.61841
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	9.71179962
target_ActivePull_Per3_HwTorque_HwNm_f32.value	9.71179962
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	312.798706
target_Pim_PullCmpLTComp_HwNm_f32	-3.70510006
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	3.60838532	3.60838532 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	312.798706	312.798706	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	1061.79309	1061.79297	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✔

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

Test Step 2.17 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-5.23500013
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000290380995
PullCmp_LTWindUpLimit_HwNm_M_f32	4
PullCmp_PrevLTLearnTime_Min_M_u16	43
PullCmp_PrevVehSpd_Kph_M_f32	202.188004
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	1.46259999
PullCmp_STComp_HwNm_M_f32	4
PullCmp_VehSpdRate_KphpS_M_f32	4067.23242
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per3_HwTorque_HwNm_f32.value	10
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	202.188004
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	14	14 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	202.188004	202.188004	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✔

Test Step Call Trace ✔

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

Test Step 2.18 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-10.2242613
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000302289991
PullCmp_LTWindUpLimit_HwNm_M_f32	3.30060005
PullCmp_PrevLTLearnTime_Min_M_u16	0
PullCmp_PrevVehSpd_Kph_M_f32	373.350708
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	-0.575999975
PullCmp_STComp_HwNm_M_f32	-3.30060005
PullCmp_VehSpdRate_KphpS_M_f32	4424.23047
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-8.66629982
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-8.66629982
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	373.350708
target_Pim_PullCmpLTComp_HwNm_f32	-3.30060005

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-11.9668999	-11.9668999 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969223828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	373.350708	373.350708	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-2.43396997	-2.43396997 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-2.43396997	-2.43396997 ± 0.00390625	✔

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

Test Step 2.19 (Repeat Count = 1)			✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	12.4763136
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.458574533
PullCmp_LTIntGain_Uls_M_f32	0.000302289991
PullCmp_LTWindUpLimit_HwNm_M_f32	1.86409998
PullCmp_PrevLTLearnTime_Min_M_u16	120
PullCmp_PrevVehSpd_Kph_M_f32	429.782013
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	1.72899997
PullCmp_STComp_HwNm_M_f32	1.86409998
PullCmp_VehSpdRate_KphpS_M_f32	2814.83862
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	7.5946002
target_ActivePull_Per3_HwTorque_HwNm_f32.value	7.5946002
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	429.782013
target_Pim_PullCmpLTComp_HwNm_f32	1.86409998
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	11.0925131	11.0925131 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969223828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	429.782013	429.782013	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0.969689906	0.96953994 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0.969689906	0.96953994 ± 0.00390625	✔

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

Test Step 2.20 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	5.36769199
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000302289991
PullCmp_LTWindUpLimit_HwNm_M_f32	2.94109988
PullCmp_PrevLTLearnTime_Min_M_u16	76
PullCmp_PrevVehSpd_Kph_M_f32	271.706696
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	2.85540009
PullCmp_STComp_HwNm_M_f32	2.94109988
PullCmp_VehSpdRate_KphpS_M_f32	4677.90088
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	9.03419971
target_ActivePull_Per3_HwTorque_HwNm_f32.value	9.03419971
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	271.706696
target_Pim_PullCmpLTComp_HwNm_f32	2.94109988
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN...	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_...	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	11.9752998	11.9752998 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	271.706696	271.706696	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	2.03767991	2.03767991 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	2.03767991	2.03767991 ± 0.00390625	✔

Test Step Call Trace ✔

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

Test Step 2.21 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-12.0916853
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	1.87999995e-005
PullCmp_LTWindUpLimit_HwNm_M_f32	4
PullCmp_PrevLTLearnTime_Min_M_u16	35
PullCmp_PrevVehSpd_Kph_M_f32	436.129486
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	3.13429999
PullCmp_STComp_HwNm_M_f32	4
PullCmp_VehSpdRate_KphpS_M_f32	-4614.55908
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-9.21860027
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-9.21860027
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	337.623291
target_Pim_PullCmpLTComp_HwNm_f32	4

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-5.21860027	-5.21860027 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969623828125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	337.623291	337.623291	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	-985.061951	-985.062012	✓
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	4.92186022	4.92186022 ± 0.00048828125	✓
target_Pim_PullCmpLTComp_HwNm_f32	4.92186022	4.92186022 ± 0.00390625	✓

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

Test Step 2.22 (Repeat Count = 1)		✓

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	0.493441939
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000449999992
PullCmp_LTWindUpLimit_HwNm_M_f32	0.74180001
PullCmp_PrevLTLearnTime_Min_M_u16	60
PullCmp_PrevVehSpd_Kph_M_f32	454.945587
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	3.61789989
PullCmp_STComp_HwNm_M_f32	-0.74180001
PullCmp_VehSpdRate_KphpS_M_f32	-2155.396
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	5.09600019
target_ActivePull_Per3_HwTorque_HwNm_f32.value	5.09600019
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	319.151611
target_Pim_PullCmpLTComp_HwNm_f32	-0.74180001
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	4.35420036	4.35420036 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969623828125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	319.151611	319.151611	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	-1357.9397	-1357.94006	✓
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-1.25139999	-1.25139999 ± 0.00048828125	✓
target_Pim_PullCmpLTComp_HwNm_f32	-1.25139999	-1.25139999 ± 0.00390625	✓

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

Test Step 2.23 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.88423824
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.0375729576
PullCmp_LTIntGain_Uls_M_f32	0.000389049004
PullCmp_LTWindUpLimit_HwNm_M_f32	1.8369
PullCmp_PrevLTLearnTime_Min_M_u16	83
PullCmp_PrevVehSpd_Kph_M_f32	67.7160034
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	-2.49609995
PullCmp_STComp_HwNm_M_f32	1.8369
PullCmp_VehSpdRate_KphpS_M_f32	-2970.70972
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.12890005
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.12890005
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	425.035492
target_Pim_PullCmpLTComp_HwNm_f32	1.8369
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.42674065	8.42674065 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	425.035492	425.035492	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	3573.19482	3573.19482	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-1.3240099	-1.3240099 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-1.3240099	-1.3240099 ± 0.00390625	✔

Test Step Call Trace ✔

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

Test Step 2.24 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-12.2464933
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.0972759053
PullCmp_LTIntGain_Uls_M_f32	3.14999997e-005
PullCmp_LTWindUpLimit_HwNm_M_f32	4
PullCmp_PrevLTLearnTime_Min_M_u16	27
PullCmp_PrevVehSpd_Kph_M_f32	436.129486
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	3.27410007
PullCmp_STComp_HwNm_M_f32	-4
PullCmp_VehSpdRate_KphpS_M_f32	-325.008789
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.34800005
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.34800005
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	289.353088
target_Pim_PullCmpLTComp_HwNm_f32	-10

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-11.9645395	-11.9645395 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238 28125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	289.353088	289.353088	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-1467.76392	-1467.76392	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✔

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

Test Step 2.25 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-10.526022	
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.595956624	
PullCmp_LTIntGain_Uls_M_f32	0.000256970001	
PullCmp_LTWindUpLimit_HwNm_M_f32	4	
PullCmp_PrevLTLearnTime_Min_M_u16	97	
PullCmp_PrevVehSpd_Kph_M_f32	454.945587	
PullCmp_ResetPer3_Cnt_M_lgc	0	
PullCmp_SComLTCompSet_Cnt_M_lgc	1	
PullCmp_SComLTComp_HwNm_M_f32	3.00950003	
PullCmp_STComp_HwNm_M_f32	4	
PullCmp_VehSpdRate_KphpS_M_f32	-1504.17969	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_FiltDeadband_HwNm_f32	0.25	
k_LTIntInputLimit_HwNm_f32	3	
k_LTLearnTime_Min_f32	45	
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001	
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.31599998	
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.31599998	
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1	
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	255.212402	
target_Pim_PullCmpLTComp_HwNm_f32	10	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-5.03724813	-5.03724813 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238 28125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	255.212402	255.212402	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-1997.33179	-1997.33203	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	3.54095006	3.54110003 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	3.54095006	3.54110003 ± 0.00390625	✔

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

Test Step 2.26 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	3.89429069
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.767892182
PullCmp_LTIntGain_Uls_M_f32	0.000155201997
PullCmp_LTWindUpLimit_HwNm_M_f32	1.45200002
PullCmp_PrevLTLearnTime_Min_M_u16	108
PullCmp_PrevVehSpd_Kph_M_f32	67.7160034
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	1.45200002
PullCmp_VehSpdRate_KphpS_M_f32	510.538788
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-8.99190044
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-8.99190044
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	475.103088
target_Pim_PullCmpLTComp_HwNm_f32	1.45200002
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-4.88593483	-4.88593483 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	475.103088	475.103088	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	4073.87085	4073.87085	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	2.35119009	2.35119009 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	2.35119009	2.35119009 ± 0.00390625	✔

Test Step Call Trace ✔

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

Test Step 2.27 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	1.57567406
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.606319368
PullCmp_LTIntGain_Uls_M_f32	7.85000011e-005
PullCmp_LTWindUpLimit_HwNm_M_f32	0
PullCmp_PrevLTLearnTime_Min_M_u16	6
PullCmp_PrevVehSpd_Kph_M_f32	397.748688
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	2.39560008
PullCmp_STComp_HwNm_M_f32	0
PullCmp_VehSpdRate_KphpS_M_f32	3506.45337
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	0.963
target_ActivePull_Per3_HwTorque_HwNm_f32.value	0.963
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	455.024689
target_Pim_PullCmpLTComp_HwNm_f32	0

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	1.20419788	1.20419788 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.000000007450580596923828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	455.024689	455.024689	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	572.76001	572.76001	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0.0962999985	-0.0962999985 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-0.0962999985	-0.0962999985 ± 0.00390625	✔

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

Test Step 2.28 (Repeat Count = 1)		✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-7.35794115
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	8.5599997e-005
PullCmp_LTWindUpLimit_HwNm_M_f32	1.53299999
PullCmp_PrevLTLearnTime_Min_M_u16	58
PullCmp_PrevVehSpd_Kph_M_f32	206.6194
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	-0.893599987
PullCmp_STComp_HwNm_M_f32	-1.53299999
PullCmp_VehSpdRate_KphpS_M_f32	5088.43652
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	9.75399971
target_ActivePull_Per3_HwTorque_HwNm_f32.value	9.75399971
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	228.478699
target_Pim_PullCmpLTComp_HwNm_f32	-1.53299999
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.22100067	8.22100067 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.000000007450580596923828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	228.478699	228.478699	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	218.592987	218.593002	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✔

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

Test Step 2.29 (Repeat Count = 1)

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_MrnStCtrl_Uls_f32	-12.0916853
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	1.87999995e-005
PullCmp_LTWindUpLimit_HwNm_M_f32	4
PullCmp_PrevLTLearnTim4V rn_Cnt_M_lgc	

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	4.35420036	4.35420036 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	319.151611	319.151611	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-1918.48389	-1918.48401	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-1.25139999	-1.25139999 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-1.25139999	-1.25139999 ± 0.00390625	✔

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

Test Step 2.31 (Repeat Count = 1)   ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.88423824
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.0375729576
PullCmp_LTIntGain_Uls_M_f32	0.000389049004
PullCmp_LTWindUpLimit_HwNm_M_f32	1.8369
PullCmp_PrevLTLearnTime_Min_M_u16	0
PullCmp_PrevVehSpd_Kph_M_f32	481.430511
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	-2.49609995
PullCmp_STComp_HwNm_M_f32	1.8369
PullCmp_VehSpdRate_KphpS_M_f32	-2970.70972
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.12890005
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.12890005
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	425.035492
target_Pim_PullCmpLTComp_HwNm_f32	1.8369
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.42674065	8.42674065 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	425.035492	425.035492	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-563.950195	-563.950012	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-1.3240099	-1.3240099 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-1.3240099	-1.3240099 ± 0.00390625	✔

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

Test Step 2.32 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	2.96081114
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000444842997
PullCmp_LTWindUpLimit_HwNm_M_f32	0.887600005
PullCmp_PrevLTLearnTime_Min_M_u16	34
PullCmp_PrevVehSpd_Kph_M_f32	435.9776
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	-2.2270999
PullCmp_STComp_HwNm_M_f32	0.887600005
PullCmp_VehSpdRate_KphpS_M_f32	-5110
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-0.423400015
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-0.423400015
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	435.9776
target_Pim_PullCmpLTComp_HwNm_f32	0.887600005
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	0.46420002	0.46420002 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000000074505805969238828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	435.9776	435.9776	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✔

Test Step Call Trace ✔

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

Test Step 2.33 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	11.9217062
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.205741286
PullCmp_LTIntGain_Uls_M_f32	0.000189404993
PullCmp_LTWindUpLimit_HwNm_M_f32	3.0624001
PullCmp_PrevLTLearnTime_Min_M_u16	76
PullCmp_PrevVehSpd_Kph_M_f32	25.3700008
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	3.37249994
PullCmp_STComp_HwNm_M_f32	3.0624001
PullCmp_VehSpdRate_KphpS_M_f32	5110
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-6.19449997
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-6.19449997
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	25.3700008
target_Pim_PullCmpLTComp_HwNm_f32	3.0624001

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.8245163	8.8245163 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238 28125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	25.3700008	25.3700008	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✓
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✓

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

Test Step 2.34 (Repeat Count = 1)   ✓

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	2.96081114
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000444842997
PullCmp_LTWindUpLimit_HwNm_M_f32	0
PullCmp_PrevLTLearnTime_Min_M_u16	34
PullCmp_PrevVehSpd_Kph_M_f32	397.748688
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	-2.2270999
PullCmp_STComp_HwNm_M_f32	0.887600005
PullCmp_VehSpdRate_KphpS_M_f32	-5110
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-0.423400015
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-0.423400015
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	435.9776
target_Pim_PullCmpLTComp_HwNm_f32	0.887600005
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	0.46420002	0.46420002 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238 28125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	435.9776	435.9776	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	382.289124	382.289001	✓
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0.042340003	0.042340003 ± 0.00048828125	✓
target_Pim_PullCmpLTComp_HwNm_f32	0.042340003	0.042340003 ± 0.00390625	✓

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

Test Step 2.35 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	11.9217062
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.205741286
PullCmp_LTIntGain_Uls_M_f32	0.000189404993
PullCmp_LTWindUpLimit_HwNm_M_f32	10
PullCmp_PrevLTLearnTime_Min_M_u16	76
PullCmp_PrevVehSpd_Kph_M_f32	320.980804
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	3.37249994
PullCmp_STComp_HwNm_M_f32	3.0624001
PullCmp_VehSpdRate_KphpS_M_f32	5110
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-6.19449997
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-6.19449997
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	25.3700008
target_Pim_PullCmpLTComp_HwNm_f32	3.0624001
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.8245163	8.8245163 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	25.3700008	25.3700008	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-2956.10815	-2956.10815	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	3.68185019	3.68185019 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	3.68185019	3.68185019 ± 0.00390625	✔

Test Step Call Trace ✔

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

Test Step 2.36 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	9.65468311
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.21166347
PullCmp_LTIntGain_Uls_M_f32	8.30999998e-005
PullCmp_LTWindUpLimit_HwNm_M_f32	2.24300003
PullCmp_PrevLTLearnTime_Min_M_u16	55
PullCmp_PrevVehSpd_Kph_M_f32	257.690613
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	2.79110003
PullCmp_STComp_HwNm_M_f32	2.49440002
PullCmp_VehSpdRate_KphpS_M_f32	3958.12305
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	5.77010012
target_ActivePull_Per3_HwTorque_HwNm_f32.value	5.77010012
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	54.536499
target_Pim_PullCmpLTComp_HwNm_f32	2.49440002

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	9.36043167	9.36043167 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281250	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	54.536499	54.536499	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-2031.54114	-2031.54102	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	1.66599	1.66599 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	1.66599	1.66599 ± 0.00390625	✔

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

Test Step 2.37 (Repeat Count = 1)	✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-12.2464933
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.0972759053
PullCmp_LTIntGain_Uls_M_f32	3.14999997e-005
PullCmp_LTWindUpLimit_HwNm_M_f32	4
PullCmp_PrevLTLearnTime_Min_M_u16	27
PullCmp_PrevVehSpd_Kph_M_f32	436.129486
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	3.27410007
PullCmp_STComp_HwNm_M_f32	-10
PullCmp_VehSpdRate_KphpS_M_f32	-325.008789
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.34800005
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.34800005
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	289.353088
target_Pim_PullCmpLTComp_HwNm_f32	-4
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-12.5481949	-12.5481949 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281250	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	289.353088	289.353088	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-1467.76392	-1467.76392	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✔

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

Test Step 2.38 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-10.526022
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.595956624
PullCmp_LTIntGain_Uls_M_f32	0.000256970001
PullCmp_LTWindUpLimit_HwNm_M_f32	4
PullCmp_PrevLTLearnTime_Min_M_u16	97
PullCmp_PrevVehSpd_Kph_M_f32	454.945587
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	3.00950003
PullCmp_STComp_HwNm_M_f32	10
PullCmp_VehSpdRate_KphpS_M_f32	-1504.17969
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.31599998
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.31599998
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	255.212402
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-1.46150875	-1.46150875 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281250	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	255.212402	255.212402	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	-1997.33179	-1997.33203	✓
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	3.54102683	3.54110003 ± 0.00048828125	✓
target_Pim_PullCmpLTComp_HwNm_f32	3.54102683	3.54110003 ± 0.00390625	✓

Test Step Call Trace ✓

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

Test Step 2.39 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	3.89429069
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.767892182
PullCmp_LTIntGain_Uls_M_f32	0.000155201997
PullCmp_LTWindUpLimit_HwNm_M_f32	1.45200002
PullCmp_PrevLTLearnTime_Min_M_u16	108
PullCmp_PrevVehSpd_Kph_M_f32	67.7160034
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	1.45200002
PullCmp_VehSpdRate_KphpS_M_f32	510.538788
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-8.99190044
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-8.99190044
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	475.103088
target_Pim_PullCmpLTComp_HwNm_f32	1.45200002

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-4.88593483	-4.88593483 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969623828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	475.103088	475.103088	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	4073.87085	4073.87085	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	2.35119009	2.35119009 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	2.35119009	2.35119009 ± 0.00390625	✔

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

Test Step 2.40 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	1.57567406
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.606319368
PullCmp_LTIntGain_Uls_M_f32	7.85000011e-005
PullCmp_LTWindUpLimit_HwNm_M_f32	0
PullCmp_PrevLTLearnTime_Min_M_u16	6
PullCmp_PrevVehSpd_Kph_M_f32	397.748688
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	2.39560008
PullCmp_STComp_HwNm_M_f32	0
PullCmp_VehSpdRate_KphpS_M_f32	3506.45337
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	0.963
target_ActivePull_Per3_HwTorque_HwNm_f32.value	0.963
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	455.024689
target_Pim_PullCmpLTComp_HwNm_f32	0
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	1.20419788	1.20419788 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969623828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	455.024689	455.024689	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	572.76001	572.76001	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0.0962999985	-0.0962999985 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-0.0962999985	-0.0962999985 ± 0.00390625	✔

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

Test Step 2.41 (Repeat Count = 1)

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-7.35794115
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	8.5599997e-005
PullCmp_LTWindUpLimit_HwNm_M_f32	1.53299999
PullCmp_PrevLTLearnTime_Min_M_u16	58
PullCmp_PrevVehSpd_Kph_M_f32	206.6194
PullCmp_ResetPer3_Cnt_M_lgc	1
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	-0.893599987
PullCmp_STComp_HwNm_M_f32	-1.53299999
PullCmp_VehSpdRate_KphpS_M_f32	5088.43652
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	9.75399971
target_ActivePull_Per3_HwTorque_HwNm_f32.value	9.75399971
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	228.478699
target_Pim_PullCmpLTComp_HwNm_f32	-1.53299999
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.22100067	8.22100067 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	228.478699	228.478699	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	218.592987	218.593002	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0	0 ± 0.00390625	✔

Test Step Call Trace   ✔

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

Test Case 3: PRM Range Test ❌

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS3.1 56.00 Cycles TS3.2 263.00 Cycles TS3.3 391.00 Cycles TS3.4 351.00 Cycles TS3.5 327.00 Cycles TS3.6 329.00 Cycles TS3.7 56.00 Cycles TS3.8 56.00 Cycles TS3.9 382.00 Cycles TS3.10 380.00 Cycles TS3.11 56.00 Cycles TS3.12 284.00 Cycles TS3.13 370.00 Cycles TS3.14 56.00 Cycles TS3.15 325.00 Cycles TS3.16 56.00 Cycles
Description	Vector Description: TS3.1k_FiltDeadband_HwNm_f32==>Min TS3.2k_FiltDeadband_HwNm_f32==>Max TS3.3k_FiltDeadband_HwNm_f32==>Pos TS3.4k_FiltDeadband_HwNm_f32==>Default TS3.5k_LTLearnTime_Min_f32==>Min TS3.6k_LTLearnTime_Min_f32==>Max TS3.7k_LTLearnTime_Min_f32==>Pos TS3.8k_LTLearnTime_Min_f32==>Default TS3.9k_LTIntInputLimit_HwNm_f32==>Min TS3.10k_LTIntInputLimit_HwNm_f32==>Max TS3.11k_LTIntInputLimit_HwNm_f32==>Pos TS3.12k_LTIntInputLimit_HwNm_f32==>Default TS3.13k_PullCmp_LTIntgtrStCorrnGain_Uls_f32==>Min TS3.14k_PullCmp_LTIntgtrStCorrnGain_Uls_f32==>Max TS3.15k_PullCmp_LTIntgtrStCorrnGain_Uls_f32==>Pos TS3.16k_PullCmp_LTIntgtrStCorrnGain_Uls_f32==>Default

Test Step 3.1 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-4.20497274
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000420969009
PullCmp_LTWindUpLimit_HwNm_M_f32	4
PullCmp_PrevLTLearnTime_Min_M_u16	86
PullCmp_PrevVehSpd_Kph_M_f32	390.238708
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	4
PullCmp_VehSpdRate_KphpS_M_f32	4708.67822
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	4.28359985
target_ActivePull_Per3_HwTorque_HwNm_f32.value	4.28359985
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	390.238708
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.28359985	8.28359985 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	390.238708	390.238708	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	3.57164001	3.57164001 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	3.57164001	3.57164001 ± 0.00390625	✔

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
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-7.07721853
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.532197058
PullCmp_LTIntGain_Uls_M_f32	0.000348014
PullCmp_LTWindUpLimit_HwNm_M_f32	0.371699989
PullCmp_PrevLTLearnTime_Min_M_u16	40
PullCmp_PrevVehSpd_Kph_M_f32	481.430511
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	-0.933399975
PullCmp_STComp_HwNm_M_f32	-0.371699989
PullCmp_VehSpdRate_KphpS_M_f32	999.532776
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	10
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgrtStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-9.03240013
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-9.03240013
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	481.430511
target_Pim_PullCmpLTComp_HwNm_f32	-0.371699989
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-8.31557846	-8.31557846 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969523828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	481.430511	481.430511	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0.531540036	0.531540036 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0.531540036	0.531540036 ± 0.00390625	✔

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

Test Step 3.3 (Repeat Count = 1)	✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-13.0472126
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.56319797
PullCmp_LTIntGain_Uls_M_f32	0.000262412999
PullCmp_LTWindUpLimit_HwNm_M_f32	0.614499986
PullCmp_PrevLTLearnTime_Min_M_u16	10
PullCmp_PrevVehSpd_Kph_M_f32	129.8237
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	-2.85840011
PullCmp_STComp_HwNm_M_f32	0.614499986
PullCmp_VehSpdRate_KphpS_M_f32	-1044.17114
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	6.56430006
k_LTIntInputLimit_HwNm_f32	3

Name	Input Value
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	5.37179995
target_ActivePull_Per3_HwTorque_HwNm_f32.value	5.37179995
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	129.8237
target_Pim_PullCmpLTComp_HwNm_f32	0.614499986
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-2.32757759	-2.32757759 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	129.8237	129.8237	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-1.15167999	-1.15167999 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-1.15167999	-1.15167999 ± 0.00390625	✔

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

Test Step 3.4 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-7.07721853
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.532197058
PullCmp_LTIntGain_Uls_M_f32	0.000348014
PullCmp_LTWindUpLimit_HwNm_M_f32	0.371699989
PullCmp_PrevLTLearnTime_Min_M_u16	40
PullCmp_PrevVehSpd_Kph_M_f32	481.430511
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	-0.933399975
PullCmp_STComp_HwNm_M_f32	-0.371699989
PullCmp_VehSpdRate_KphpS_M_f32	999.532776
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-9.03240013
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-9.03240013
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	481.430511
target_Pim_PullCmpLTComp_HwNm_f32	-0.371699989
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-8.31557846	-8.31557846 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.00000000074505805969238281 25	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	481.430511	481.430511	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	0.531540036	0.531540036 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	0.531540036	0.531540036 ± 0.00390625	✔

Test Step Call Trace ✔

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

Test Step 3.5 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-11.189537
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000225438998
PullCmp_LTWindUpLimit_HwNm_M_f32	1.85909998
PullCmp_PrevLTLearnTime_Min_M_u16	108
PullCmp_PrevVehSpd_Kph_M_f32	362.738007
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	-1.84109998
PullCmp_STComp_HwNm_M_f32	-1.85909998
PullCmp_VehSpdRate_KphpS_M_f32	-2032.94897
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	5
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	5.97800016
target_ActivePull_Per3_HwTorque_HwNm_f32.value	5.97800016
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	362.738007
target_Pim_PullCmpLTComp_HwNm_f32	-1.85909998
target Rte Inst Ap ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	4.1189003	4.1189003 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	0.000450000021	0.000450000021 ± 0.0000000074505805969 23828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	5	5 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	362.738007	362.738007	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-2.43755007	-2.43755007 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-2.43755007	-2.43889999 ± 0.00390625	✔

Test Step Call Trace ✔

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

Test Step 3.6 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	7.83185816
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000444153004
PullCmp_LTWindUpLimit_HwNm_M_f32	3.20580006
PullCmp_PrevLTLearnTime_Min_M_u16	57
PullCmp_PrevVehSpd_Kph_M_f32	177.713898
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	-2.43260002
PullCmp_STComp_HwNm_M_f32	-3.20580006
PullCmp_VehSpdRate_KphpS_M_f32	-1343.00903
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3

Name	Input Value
k_LTLearnTime_Min_f32	120
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-7.8593998
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-7.8593998
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	177.713898
target_Pim_PullCmpLTComp_HwNm_f32	-3.20580006
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-11.0652008	-11.0652008 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	1.87500009e-005	1.87500009e-005 ± 0.00000000074505805969236828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	120	120 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	177.713898	177.713898	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-2.41986012	-2.41986012 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-2.41986012	-2.41986012 ± 0.00390625	✔

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

Test Step 3.7 (Repeat Count = 1)	✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	5.67190742
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000307899987
PullCmp_LTWindUpLimit_HwNm_M_f32	4
PullCmp_PrevLTLearnTime_Min_M_u16	18
PullCmp_PrevVehSpd_Kph_M_f32	439.629913
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	0.398299992
PullCmp_STComp_HwNm_M_f32	4
PullCmp_VehSpdRate_KphpS_M_f32	2777.53857
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	34.6529999
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	5.39669991
target_ActivePull_Per3_HwTorque_HwNm_f32.value	5.39669991
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	439.629913
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	9.39669991	9.39669991 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	6.49294452e-005	6.49294452e-005 ± 0.00000000074505805969236828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	34	34 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	439.629913	439.629913	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0.14117521	-0.141369998 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-0.14117521	-0.141369998 ± 0.00390625	✔

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

Test Step 3.8 (Repeat Count = 1)   ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	12.3765526
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000302289991
PullCmp_LTWindUpLimit_HwNm_M_f32	4
PullCmp_PrevLTLearnTime_Min_M_u16	18
PullCmp_PrevVehSpd_Kph_M_f32	439.629913
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	0.398299992
PullCmp_STComp_HwNm_M_f32	4
PullCmp_VehSpdRate_KphpS_M_f32	2777.53857
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	5.39669991
target_ActivePull_Per3_HwTorque_HwNm_f32.value	5.39669991
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	439.629913
target_Pim_PullCmpLTComp_HwNm_f32	4
target Rte Inst Ap ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	9.39669991	9.39669991 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969923828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	439.629913	439.629913	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	0	0	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0.141220003	-0.141369998 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-0.141220003	-0.141369998 ± 0.00390625	✔

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

Test Step 3.9 (Repeat Count = 1)   ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.65174675
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000302289991
PullCmp_LTWindUpLimit_HwNm_M_f32	1.06599998
PullCmp_PrevLTLearnTime_Min_M_u16	72
PullCmp_PrevVehSpd_Kph_M_f32	320.980804
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	1.78929996
PullCmp_STComp_HwNm_M_f32	-1.06599998
PullCmp_VehSpdRate_KphpS_M_f32	-2875.75854
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	0

Name	Input Value		
k_LTLearnTime_Min_f32	45		
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001		
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-0.264299989		
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-0.264299989		
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1		
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	424.276489		
target_Pim_PullCmpLTComp_HwNm_f32	-1.06599998		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	**Actual Value**	**Expected Value**	**Result**
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-1.33030033	-1.33030033 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	424.276489	424.276489	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	1032.95679	1032.95703	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	1.09243	1.09243 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	1.09243	1.09243 ± 0.00390625	✔

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

Test Step 3.10 (Repeat Count = 1)			✖
Name	**Input Value**		
PullCmp_EnableLearn_Cnt_M_lgc	1		
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-6.88749123		
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.492598325		
PullCmp_LTIntGain_Uls_M_f32	0.000428864005		
PullCmp_LTWindUpLimit_HwNm_M_f32	1.47109997		
PullCmp_PrevLTLearnTime_Min_M_u16	65		
PullCmp_PrevVehSpd_Kph_M_f32	257.690613		
PullCmp_ResetPer3_Cnt_M_lgc	0		
PullCmp_SComLTCompSet_Cnt_M_lgc	1		
PullCmp_SComLTComp_HwNm_M_f32	-0.264299989		
PullCmp_STComp_HwNm_M_f32	1.47109997		
PullCmp_VehSpdRate_KphpS_M_f32	-3067.92383		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
k_FiltDeadband_HwNm_f32	0.25		
k_LTIntInputLimit_HwNm_f32	10		
k_LTLearnTime_Min_f32	45		
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001		
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	4.50759983		
target_ActivePull_Per3_HwTorque_HwNm_f32.value	4.50759983		
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1		
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	259.535889		
target_Pim_PullCmpLTComp_HwNm_f32	1.47109997		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	**Actual Value**	**Expected Value**	**Result**
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	-0.549627304	-0.549627304 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505805969238281125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	259.535889	259.535889	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	**18.4527588**	**18.4529991 ± 0.0000000074505805969238281125**	✖
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0.715087414	-0.715059996 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-0.715087414	-0.715059996 ± 0.00390625	✔

Test Step Call Trace ✔

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

Test Step 3.11 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	4.22894192
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000348737987
PullCmp_LTWindUpLimit_HwNm_M_f32	3.7493
PullCmp_PrevLTLearnTime_Min_M_u16	31
PullCmp_PrevVehSpd_Kph_M_f32	276.355988
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	-1.41009998
PullCmp_STComp_HwNm_M_f32	3.7493
PullCmp_VehSpdRate_KphpS_M_f32	-1007.31158
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	5.24310017
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	5.75089979
target_ActivePull_Per3_HwTorque_HwNm_f32.value	5.75089979
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	354.851501
target_Pim_PullCmpLTComp_HwNm_f32	3.7493
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	9.50020027	9.50020027 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.000000007450580596923828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	354.851501	354.851501	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	784.955139	784.954956	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	3.17421007	3.17421007 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	3.17421007	3.17421007 ± 0.00390625	✔

Test Step Call Trace ✔

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

Test Step 3.12 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	3.07098794
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.218336597
PullCmp_LTIntGain_Uls_M_f32	0.000444842997
PullCmp_LTWindUpLimit_HwNm_M_f32	3.7493
PullCmp_PrevLTLearnTime_Min_M_u16	31
PullCmp_PrevVehSpd_Kph_M_f32	281.203613
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	-1.41009998
PullCmp_STComp_HwNm_M_f32	3.7493
PullCmp_VehSpdRate_KphpS_M_f32	-1007.31158
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3

Name	Input Value
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	5.75089979
target_ActivePull_Per3_HwTorque_HwNm_f32.value	5.75089979
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	354.851501
target_Pim_PullCmpLTComp_HwNm_f32	3.7493
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	4.47472048	4.47472048 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000007450580596923828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	354.851501	354.851501	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	736.478882	736.479004	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	3.17421007	3.17421007 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	3.17421007	3.17421007 ± 0.00390625	✔

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

Test Step 3.13 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	0.493441939
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000449999992
PullCmp_LTWindUpLimit_HwNm_M_f32	0.74180001
PullCmp_PrevLTLearnTime_Min_M_u16	25
PullCmp_PrevVehSpd_Kph_M_f32	454.945587
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	0
PullCmp_SComLTComp_HwNm_M_f32	3.61789989
PullCmp_STComp_HwNm_M_f32	-0.74180001
PullCmp_VehSpdRate_KphpS_M_f32	-2155.396
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	5.09600019
target_ActivePull_Per3_HwTorque_HwNm_f32.value	5.09600019
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	319.151611
target_Pim_PullCmpLTComp_HwNm_f32	-0.74180001
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	4.35420036	4.35420036 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000007450580596923828125	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	319.151611	319.151611	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	-1357.9397	-1357.94006	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0.74180001	-0.74180001 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-0.74180001	-0.74180001 ± 0.00390625	✔

Test Step Call Trace ✓

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

Test Step 3.14 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.88423824
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.0375729576
PullCmp_LTIntGain_Uls_M_f32	0.000389049004
PullCmp_LTWindUpLimit_HwNm_M_f32	1.8369
PullCmp_PrevLTLearnTime_Min_M_u16	0
PullCmp_PrevVehSpd_Kph_M_f32	67.7160034
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	-2.49609995
PullCmp_STComp_HwNm_M_f32	1.8369
PullCmp_VehSpdRate_KphpS_M_f32	-2970.70972
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	1
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.12890005
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.12890005
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	425.035492
target_Pim_PullCmpLTComp_HwNm_f32	1.8369
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpLongTermIntgtrStOffs Hw𝙽	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.42674065	8.42674065 ± 0.00048828125	✓
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.000000007450580596923828125	✓
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	425.035492	425.035492	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✓
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_VehSpdRate_KphpS_M_f32	3573.19482	3573.19482	✓
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	3.29200006	3.29200006 ± 0.00048828125	✓
target_Pim_PullCmpLTComp_HwNm_f32	3.29200006	3.29200006 ± 0.00390625	✓

Test Step Call Trace ✓

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

Test Step 3.15 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	2.96081114
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1
PullCmp_LTIntGain_Uls_M_f32	0.000444842997
PullCmp_LTWindUpLimit_HwNm_M_f32	0.887600005
PullCmp_PrevLTLearnTime_Min_M_u16	34
PullCmp_PrevVehSpd_Kph_M_f32	397.748688
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	-2.2270999
PullCmp_STComp_HwNm_M_f32	0.887600005
PullCmp_VehSpdRate_KphpS_M_f32	-5110
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3

Name	Input Value
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.334600002
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-0.423400015
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-0.423400015
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	435.9776
target_Pim_PullCmpLTComp_HwNm_f32	0.887600005
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	0.46420002	0.46420002 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505809692382812 5	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	435.9776	435.9776	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	382.289124	382.289001	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0.745930374	-0.745930374 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-0.745930374	-0.745930374 ± 0.00390625	✔

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

Test Step 3.16 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.88423824
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.0375729576
PullCmp_LTIntGain_Uls_M_f32	0.000389049004
PullCmp_LTWindUpLimit_HwNm_M_f32	1.8369
PullCmp_PrevLTLearnTime_Min_M_u16	0
PullCmp_PrevVehSpd_Kph_M_f32	67.7160034
PullCmp_ResetPer3_Cnt_M_lgc	0
PullCmp_SComLTCompSet_Cnt_M_lgc	1
PullCmp_SComLTComp_HwNm_M_f32	-2.49609995
PullCmp_STComp_HwNm_M_f32	1.8369
PullCmp_VehSpdRate_KphpS_M_f32	-2970.70972
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_FiltDeadband_HwNm_f32	0.25
k_LTIntInputLimit_HwNm_f32	3
k_LTLearnTime_Min_f32	45
k_PullCmp_LTIntgtrStCorrnGain_Uls_f32	0.100000001
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.12890005
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.12890005
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	425.035492
target_Pim_PullCmpLTComp_HwNm_f32	1.8369
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	**Actual Value**	**Expected Value**	**Result**
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32	8.42674065	8.42674065 ± 0.00048828125	✔
PullCmp_LTIntGain_Uls_M_f32	5.00000024e-005	5.00000024e-005 ± 0.0000000074505809692382812 5	✔
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✔
PullCmp_PrevVehSpd_Kph_M_f32	425.035492	425.035492	✔
PullCmp_ResetPer3_Cnt_M_lgc	0	0	✔
PullCmp_SComLTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_VehSpdRate_KphpS_M_f32	3573.19482	3573.19482	✔
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-1.3240099	-1.3240099 ± 0.00048828125	✔
target_Pim_PullCmpLTComp_HwNm_f32	-1.3240099	-1.3240099 ± 0.00390625	✔

Test Step Call Trace

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

Test Step Call Trace

Project	ActivePull
Module	ActivePull
Test Object	ActivePull_Per1

Instrumentation: Test Object Only

Statement (C0) Coverage	95.34 %
Decision Coverage	93.33 %
Branch (C1) Coverage	93.33 %
MC/DC Coverage	93.93 %

Statistics

Total Testcases	3	
Successful	3	✔
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP
Configuration File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	$(PROJECTROOT)\ActivePull\src\Ap_ActivePull.c
Compiler Options	-D_DATA_ACCESS= -D__inline= -Dconst= -D_extern= -Dstatic= -I$(PROJECTROOT)\ActivePull\tools\Contract -I$(PROJECTROOT)\ActivePull\tools\Contract\Ap_ActivePull -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification	
Name	**Text**
Module 'ActivePull'	********************************Unit Test Information***************************************
	Name of Tester:Pradnya Mhetre
	Code File(s) Under Test:Ap_ActivePull.c
	Code File(s) Version :22
	Module Design Document:Active_Pull_Comp_MDD.docx
	Module Design Version: 14
	Data Dictionary Version:14
	Unit Test Plan Version: 16
	Optimization Level:Ogeneral
	Compiler (CodeGen) Version: TMS470_4.9.5
	Model Type: None
	Model Version:Nexteer EPS Unit Test Tool 1.0
	Total FLASH Used (Bytes):3156
	Total RAM Used (Bytes): 124
	Total CALS Used (Bytes): 148
	Special Test Requirements:NA
	Test Date:3/13/2018
	Comments:
	NOTE1: Inline Functions defined in GlobalMacro.h are not Unit Tested.
	NOTE2:"CBD_Sandbox_dbg.map" map file is embedded in UTP for reference.
	Note3: The Expected outputs are calculated from MATLAB model.
	Note4: Local functions "ActvCmpEna_lgc" and "CalcIntGain_f32" are not unit tested separately as those are tested in "ActivePull_Per1" function. Please refer the snapshot "ActivePull_ActivePullPer1_coverage".
	NOTE5:In function "ActivePull_Per3" output variable "PullCmp_VehSpdRate_KphpS_M_f32" is failing in TS3.10 because of precision difference. Please refer snapshots "Matlab _Values_VehSpdRate" and "Tessy_Values_VehSpdRate" for the same.
	**

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

Attributes

Name	Value
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(TESSY_SYSPATH)\compiler\ti\tms470\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.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
Workspace File	D:\Synergy_Work_Area\SF013A_ActivePull_6.5.1_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Range Test ✔

Test Case 1: Range Test

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

TS1.1 117.00 Cycles
TS1.2 3354.00 Cycles
TS1.3 3041.00 Cycles
TS1.4 3611.00 Cycles
TS1.5 3571.00 Cycles
TS1.6 3218.00 Cycles
TS1.7 3516.00 Cycles
TS1.8 3393.00 Cycles
TS1.9 3336.00 Cycles
TS1.10 3493.00 Cycles
TS1.11 2999.00 Cycles
TS1.12 3339.00 Cycles
TS1.13 3167.00 Cycles
TS1.14 3093.00 Cycles
TS1.15 2903.00 Cycles
TS1.16 3345.00 Cycles
TS1.17 3328.00 Cycles
TS1.18 3242.00 Cycles
TS1.19 3626.00 Cycles
TS1.20 3616.00 Cycles
TS1.21 3350.00 Cycles
TS1.22 3353.00 Cycles
TS1.23 3230.00 Cycles
TS1.24 3226.00 Cycles
TS1.25 3077.00 Cycles
TS1.26 3525.00 Cycles
TS1.27 3023.00 Cycles
TS1.28 3739.00 Cycles
TS1.29 2921.00 Cycles
TS1.30 3387.00 Cycles
TS1.31 3356.00 Cycles
TS1.32 3156.00 Cycles
TS1.33 2897.00 Cycles
TS1.34 2917.00 Cycles
TS1.35 3511.00 Cycles
TS1.36 3146.00 Cycles
TS1.37 3415.00 Cycles
TS1.38 3024.00 Cycles
TS1.39 3579.00 Cycles
TS1.40 135.00 Cycles
TS1.41 3158.00 Cycles
TS1.42 3120.00 Cycles
TS1.43 3017.00 Cycles
TS1.44 3483.00 Cycles
TS1.45 3068.00 Cycles
TS1.46 3244.00 Cycles
TS1.47 2960.00 Cycles
TS1.48 3350.00 Cycles
```

Description   Vector Description:

TS1.1All Min
TS1.2All Max
TS1.3DisableLearning_Cnt_Igc==>Min
TS1.4DisableLearning_Cnt_Igc==>Max
TS1.5DisableOutput_Cnt_Igc==>Min
TS1.6DisableOutput_Cnt_Igc==>Max
TS1.7HandwheelAuthority_Uls_f32==>Min
TS1.8HandwheelAuthority_Uls_f32==>Max
TS1.9HandwheelAuthority_Uls_f32==>Pos
TS1.10HandwheelPosition_HwDeg_f32==>Min
TS1.11HandwheelPosition_HwDeg_f32==>Max
TS1.12HandwheelPosition_HwDeg_f32==>Pos
TS1.13HandwheelPosition_HwDeg_f32==>Zero
TS1.14HandwheelPosition_HwDeg_f32==>Neg
TS1.15EstLatAcc_MpSecSq_f32==>Min
TS1.16EstLatAcc_MpSecSq_f32==>Max
TS1.17EstLatAcc_MpSecSq_f32==>Pos
TS1.18EstLatAcc_MpSecSq_f32==>Zero
TS1.19EstLatAcc_MpSecSq_f32==>Neg
TS1.20HandwheelVelocity_HwRadpS_f32==>Min
TS1.21HandwheelVelocity_HwRadpS_f32==>Max
TS1.22HandwheelVelocity_HwRadpS_f32==>Pos
TS1.23HandwheelVelocity_HwRadpS_f32==>Zero
TS1.24HandwheelVelocity_HwRadpS_f32==>Neg
TS1.25HwTorque_HwNm_f32==>Min
TS1.26HwTorque_HwNm_f32==>Max
TS1.27HwTorque_HwNm_f32==>Pos
TS1.28HwTorque_HwNm_f32==>Zero
TS1.29HwTorque_HwNm_f32==>Neg
TS1.30VehicleYawRate_DegpS_f32==>Min
TS1.31VehicleYawRate_DegpS_f32==>Max
TS1.32VehicleYawRate_DegpS_f32==>Pos
TS1.33VehicleYawRate_DegpS_f32==>Zero
TS1.34VehicleYawRate_DegpS_f32==>Neg
TS1.35VehicleSpeedValid_Cnt_Igc==>Min
TS1.36VehicleSpeedValid_Cnt_Igc==>Max
TS1.37VehicleSpeed_Kph_f32==>Min
TS1.38VehicleSpeed_Kph_f32==>Max
TS1.39VehicleSpeed_Kph_f32==>Pos
TS1.40PullCmpEna_Cnt_Igc==>Min
TS1.41PullCmpEna_Cnt_Igc==>Max
TS1.42PullCmpShoTermIntgtrStOffs_HwNm_f32==>Min
TS1.43PullCmpShoTermIntgtrStOffs_HwNm_f32==>max
TS1.44PullCmpShoTermIntgtrStOffs_HwNm_f32==>Pos
TS1.45PullCmpShoTermIntgtrStOffs_HwNm_f32==>Zero
TS1.46PullCmpShoTermIntgtrStOffs_HwNm_f32==>Neg
TS1.47PullCmpCustLrngDi_Cnt_Igc==>Min
TS1.48PullCmpCustLrngDi_Cnt_Igc==>Max

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.35e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-10
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.000125655817
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-10
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	1.35e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	0
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	0
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-10
PullCmp_STComp_HwNm_M_f32	-10
PullCmp_STOppSignTime_mS_M_u32	0
PullCmp_STStepSize_HwNm_M_f32	0
PullCmp_VehSpdRate_KphpS_M_f32	-5110
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-128
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	0
k_EnableHwPosMax_HwDeg_f32	0
k_EnableHwTrqMax_HwNm_f32	0
k_EnableHwVelMax_DegpS_f32	0
k_EnableLatAccMax_MpSecSq_f32	0
k_EnableTime_mS_u32	0
k_EnableVehSpdMax_Kph_f32	0
k_EnableVehSpdMin_Kph_f32	0
k_EnableVehSpdRateMax_KphpS_f32	0
k_EnableYawRateMax_DegpS_f32	0
k_FiltDeadband_HwNm_f32	0
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0
k_STIntInputLimit_HwNm_f32	0
k_STLearnTimeDec_Sec_f32	5
k_STLearnTimeInc_Sec_f32	5
k_STLimit_HwNm_f32	0
k_STOppSignTime_mS_u32	0
k_STResetHwPos_HwDeg_f32	0
k_STResetHwTrq_HwNm_f32	0
k_STResetLatAcc_MpSecSq_f32	0
k_STResetYawRate_DegpS_f32	0
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-10
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1440
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-42
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-10
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	0
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-120
target_Pim_PullCmpLTComp_HwNm_f32	-10
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	0
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	0
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc

Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	1.35e-005	1.35e-005 ± 0.0000000149011611938476625	✔
PullCmp_EnableLearn_Cnt_M_lgc	0	0	✔
PullCmp_EnableTime_mS_M_u32	0	0 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-10	-10 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-10	-10 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	1.35e-005	1.35e-005 ± 0.0000000149011611938476625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	0	0 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	0	0 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-10	-10 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	0	0 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-128	-128 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

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**
PullCmp_DecGain_Uls_M_f32	0.000539999979
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	0.000539999979
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	3200
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3200
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	10
PullCmp_STComp_HwNm_M_f32	10
PullCmp_STOppSignTime_mS_M_u32	4294967295
PullCmp_STStepSize_HwNm_M_f32	20000
PullCmp_VehSpdRate_KphpS_M_f32	5110
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	127.9375
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	900
k_EnableHwTrqMax_HwNm_f32	10
k_EnableHwVelMax_DegpS_f32	1500
k_EnableLatAccMax_MpSecSq_f32	10
k_EnableTime_mS_u32	60000
k_EnableVehSpdMax_Kph_f32	511
k_EnableVehSpdMin_Kph_f32	511
k_EnableVehSpdRateMax_KphpS_f32	100
k_EnableYawRateMax_DegpS_f32	120
k_FiltDeadband_HwNm_f32	10
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	1
k_STIntInputLimit_HwNm_f32	10
k_STLearnTimeDec_Sec_f32	200
k_STLearnTimeInc_Sec_f32	200
k_STLimit_HwNm_f32	10
k_STOppSignTime_mS_u32	30000
k_STResetHwPos_HwDeg_f32	900
k_STResetHwTrq_HwNm_f32	10
k_STResetLatAcc_MpSecSq_f32	10
k_STResetYawRate_DegpS_f32	120

Name	Input Value
k_TotalLimit_HwNm_f32	10
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	10
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1440
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	42
target_ActivePull_Per1_HwTorque_HwNm_f32.value	10
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	511
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	120
target_Pim_PullCmpLTComp_HwNm_f32	10
target Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32 Elapsed	4294967295
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4294967295
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	0.000539999979	0.000539999979 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	4294967295	4294967295 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10	10 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10	10 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	0.000539999979	0.000539999979 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	3200	3200 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3200	3200 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	4294967295	4294967295 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	122.259087	122.259087 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace   ✓

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 1.3 (Repeat Count = 1)   ✓

Name	Input Value
PullCmp_DecGain_Uls_M_f32	0
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.000125655817
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	0
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	0

Name	Input Value
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	0
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	0
PullCmp_STComp_HwNm_M_f32	0
PullCmp_STOppSignTime_mS_M_u32	0
PullCmp_STStepSize_HwNm_M_f32	0
PullCmp_VehSpdRate_KphpS_M_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	7.31629992
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1333.57776
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	12.8362999
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-3.17919993
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.58819997
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	139.866501
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-105.772102
target_Pim_PullCmpLTComp_HwNm_f32	0
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3523036928
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim	2051227904
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2051227904	2051227904 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.000399484969	-0.000399484969 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.00399259198	-0.00399259198 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ±	✔

Name	Actual Value	Expected Value	Result
		0.00000001490116119384765625	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.158820003	0.158820003 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	0	0 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.132833675	-0.132833675 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.158820003	0.158820003 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
CalcIntGain_f32	1	CalcIntGain_f32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔

Name	Input Value
target_ActivePull_Per1_HwTorque_HwNm_f32.value	10
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.00219989
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	345.422089
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-83.5366974
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3213028864
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1863909376
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1863909376	1863909376 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.000857123407	0.000857123407 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.00857090205	0.00857090205 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.300219983	-0.300220013 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1863909376	1863909376 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.237576246	-0.237576246 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.300219983	-0.300220013 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.5 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*

Name	Input Value
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-5.32679987
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	978.922424
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-21.5405998
target_ActivePull_Per1_HwTorque_HwNm_f32.value	1.05830002
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.53789997
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	194.412201
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-15.0075998
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32 Elapsed	131651584
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1802467840
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1802467840	1802467840 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.000989997294	0.000989997294 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.00988920219	0.00988920219 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.453790009	0.453790009 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1863909376	1863909376 ± 1	✔

Name	Actual Value	Expected Value	Result
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.256125152	-0.256125152 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.453790009	0.453790009 ± 0.00048828125	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓	
CalcIntGain_f32	1	CalcIntGain_f32	1	✓	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓	

Test Step 1.6 (Repeat Count = 1)	✓
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.52259994
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-260.759613
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	32.6805
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-7.18400002
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.50800002
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	187.066299
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-17.9682007

Name	Input Value
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3178511104
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2948093184
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	2948093184	2948093184 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.71614902e-005	8.71615048e-005 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.000854770653	0.000854771002 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0.150800005	0.150800005 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	1863909376	1863909376 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.278368831	-0.278368831 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.150800005	0.150800005 ± 0.00048828125	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓	
CalcIntGain_f32	1	CalcIntGain_f32	1	✓	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓	

Test Step 1.7 (Repeat Count = 1)	✓
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45

Name	Input Value
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1

k_EnableHwTrqMax_HwNm_f32	2.79999995

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.8 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-5.70959997
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-695.481628
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	9.58979988
target_ActivePull_Per1_HwTorque_HwNm_f32.value	6.64389992
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-7.73210001
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	130.8918
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	96.2462006
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3694992384
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3750125056
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3750125056	3750125056 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.000252222351	-0.000252222322 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.00252581108	-0.00252581039 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.773209989	0.773209989 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1863909376	1863909376 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.290304244	-0.290304184 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.773209989	0.773209989 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.9 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000

Name	Input Value
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.15809989
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.100500003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-937.382996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	9.86670017
target_ActivePull_Per1_HwTorque_HwNm_f32.value	5.10340023
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.3951
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	446.752502
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-62.1883011
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	374828800
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3154356480
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	3154356480	3154356480 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.000389081251	0.00038908128 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.00388645567	0.00388645614 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0.139510006	0.139510006 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	3154356480	3154356480 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.368038714	-0.368038654 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.139510006	0.139510006 ± 0.00048828125	✓

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.10 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	3.22970009
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1440
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	16.9785995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-4.87290001
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.87329996
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	400.014191
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-107.320801
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1830057472
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2373437440

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2373437440	2373437440 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.000223275856	-0.000223275842 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.00223804638	-0.00223804638 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.187329993	0.187330008 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3154356480	3154356480 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.502355099	-0.502355039 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.187329993	0.187330008 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.11 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-7.07180023
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1440
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	30.2520008
target_ActivePull_Per1_HwTorque_HwNm_f32.value	9.78670025
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.400700003
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	237.6978
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	68.0719986
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2310627584
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2488756992
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2488756992	2488756992 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.00100650801	0.00100650801 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.0100553725	0.0100553716 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.040070001	-0.040070001 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	2488756992	2488756992 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.416236132	-0.416236073 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.040070001	-0.040070001 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.12 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-8.71949959
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.833299994
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1349.54236
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-33.7076988
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-0.196600005
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	64.2405014
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-111.154099
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1094098944
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4261708288

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN|	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4261708288	4261708288 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.000981677556	0.000981677556 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.00979584455	0.00979584362 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-1	-1 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	4261708288	4261708288 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.555306077	-0.555306017 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-1	-1 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.13 (Repeat Count = 1)		✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10

Name	Input Value
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	3.31800008
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.246199995
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	0
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-8.47210026
target_ActivePull_Per1_HwTorque_HwNm_f32.value	5.20419979
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.86269999
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	101.8312
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-87.1453018
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2725962496
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim	1981365504
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1981365504	1981365504 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.00163549208	0.0016354922 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.0163192265	0.0163192265 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.48627001	0.48627001 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	4261708288	4261708288 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.664049923	-0.664049864 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.48627001	0.48627001 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.14 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	7.6097002
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1186.34253
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	27.9386005
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.66320002
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4.86359978
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	125.403
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	41.2742996
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3615103488
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1585908736
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	1585908736	1585908736 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.00142629584	0.00142629596 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.0142100053	0.0142100053 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	-0.486359984	-0.486360013 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	4261708288	4261708288 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.61138171	-0.61138165 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.486359984	-0.486360013 ± 0.00048828125	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 1.15 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000

Name	Input Value
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-10
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1123.9292
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-19.2087994
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-5.12820005
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-3.56270003
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	509.656494
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-56.6351013
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1578661120
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1664720640
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f;	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	1664720640	1664720640 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.000781728479	0.000781728595 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.00775191979	0.00775192026 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0.356270015	0.356270015 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	1664720640	1664720640 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.681738973	-0.681738913 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.356270015	0.356270015 ± 0.00048828125	✓

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.16 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	*none*	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_IncGain_Uls_M_f32	*none*	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*	
PullCmp_ResetPer1_Cnt_M_lgc	*none*	
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComSTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_STOppSignTime_mS_M_u32	*none*	
PullCmp_STStepSize_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	
k_STLearnTimeInc_Sec_f32	45	
k_STLimit_HwNm_f32	1	
k_STOppSignTime_mS_u32	100	
k_STResetHwPos_HwDeg_f32	45	
k_STResetHwTrq_HwNm_f32	3	
k_STResetLatAcc_MpSecSq_f32	1	
k_STResetYawRate_DegpS_f32	1	
k_TotalLimit_HwNm_f32	0	
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1	
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0	
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	10	
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1	
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-602.892212	
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	15.6668997	
target_ActivePull_Per1_HwTorque_HwNm_f32.value	2.6558001	
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1	
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1	
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.145999998	
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1	
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	7.98969984	
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	82.9820023	
target_Pim_PullCmpLTComp_HwNm_f32	*none*	
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3379127296	
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	187557376	

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNr	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	187557376	187557376 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.00111534703	0.00111534714 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.0110774655	0.0110774664 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.0146000003	-0.0146000003 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	187557376	187557376 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.576670051	-0.576669991 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.0146000003	-0.0146000003 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.17 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	*none*	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_IncGain_Uls_M_f32	*none*	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*	
PullCmp_ResetPer1_Cnt_M_lgc	*none*	
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComSTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_STOppSignTime_mS_M_u32	*none*	
PullCmp_STStepSize_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	

Name	Input Value
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	3.34200001
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.803200006
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-290.853607
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-8.32310009
target_ActivePull_Per1_HwTorque_HwNm_f32.value	1.57389998
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-5.33150005
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	167.708801
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-69.3483963
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	972199680
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim	556601600
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	556601600	556601600 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.00131297659	0.0013129767 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.0130401328	0.0130401338 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.533150017	0.533150017 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	187557376	187557376 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.663036883	-0.663036823 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.533150017	0.533150017 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.18 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.0326000005
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	170.555893
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	28.9237003
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-0.30340001
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.3427
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	364.395294
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-65.482399
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3236101632
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	630951936
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	630951936	630951936 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.00127468759	0.0012746877 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.0126427319	0.0126427328 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.33427	-0.33427 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	187557376	187557376 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.744440138	-0.744440079 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.33427	-0.33427 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
CalcIntGain_f32	1	CalcIntGain_f32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	

Test Step 1.19 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000

Name	Input Value
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-6.421
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.335500002
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-544.18988
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-5.20970011
target_ActivePull_Per1_HwTorque_HwNm_f32.value	3.63509989
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-5.96740007
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	146.804504
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	1.98290002
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3530410240
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4111209216
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4111209216	4111209216 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.00173129886	0.00173129898 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.0171919875	0.0171919893 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.596740007	0.596740007 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	187557376	187557376 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.741015017	-0.741014957 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.596740007	0.596740007 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.20 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	6.15679979
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.328500003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-588.476807
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-42
target_ActivePull_Per1_HwTorque_HwNm_f32.value	6.08669996
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-8.48729992
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	162.170502
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	29.3342991
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsed	448358400
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTim	3766913536
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f;	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	3766913536	3766913536 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.00249591051	0.00249591074 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.0248143673	0.0248143692 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0.848730028	0.848730028 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	3766913536	3766913536 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.703244984	-0.703244925 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.848730028	0.848730028 ± 0.00048828125	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 1.21 (Repeat Count = 1)		✓
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	*none*	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_IncGain_Uls_M_f32	*none*	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*	
PullCmp_ResetPer1_Cnt_M_lgc	*none*	
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComSTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_STOppSignTime_mS_M_u32	*none*	
PullCmp_STStepSize_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	

Name	Input Value
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.00760007
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	887.745789
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	42
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-8.63169956
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	76.2913971
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	26.2257004
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2064812800
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1085482240
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1085482240	1085482240 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.00141097361	0.00141097384 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.0139431013	0.0139431031 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-1	-1 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3766913536	3766913536 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.669426322	-0.669426262 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-1	-1 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.22 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*

Name	Input Value
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0.176799998
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.812099993
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-548.033813
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	25.2339993
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-6.69820023
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-7.86009979
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	165.272293
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-95.8481979
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2656248320
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	676942848
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	676942848	676942848 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.00056912849	0.000569128722 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.00551366992	0.00551367179 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.786009967	0.786010027 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	676942848	676942848 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.788956404	-0.788956344 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.786009967	0.786010027 ± 0.00048828125	✔

| PullCmp_EnableLearn_Cnt_M_lgc | | | |

Name	Input Value
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	1.48720002
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.212300003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-357.3013
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-7.89589977
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	9.27099991
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	244.298294
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	107.260201
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32 Elapsed	2544721152
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	149079808
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	149079808	149079808 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.000423108751	-0.000423108548 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.00440930389	-0.00440930249 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.927100003	-0.927100003 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	676942848	676942848 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.653263092	-0.653263032 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.927100003	-0.927100003 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.24 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*

Name	Input Value
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	4.15290022
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.552200019
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-284.635986
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-23.3549995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-8.9236002
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	6.15689993
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	473.314087
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-27.7875996
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	4064979968
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2429709824
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2429709824	2429709824 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.00154435774	-0.00154435763 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.0156104527	-0.0156104499 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔

Name	Actual Value	Expected Value	Result
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.615689993	-0.615689993 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	2429709824	2429709824 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.687339664	-0.687339664 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.615689993	-0.615689993 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.25 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	*none*	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_IncGain_Uls_M_f32	*none*	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*	
PullCmp_ResetPer1_Cnt_M_lgc	*none*	
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComSTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_STOppSignTime_mS_M_u32	*none*	
PullCmp_STStepSize_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	
k_STLearnTimeInc_Sec_f32	45	
k_STLimit_HwNm_f32	1	
k_STOppSignTime_mS_u32	100	
k_STResetHwPos_HwDeg_f32	45	
k_STResetHwTrq_HwNm_f32	3	
k_STResetLatAcc_MpSecSq_f32	1	
k_STResetYawRate_DegpS_f32	1	
k_TotalLimit_HwNm_f32	0	
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0	
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1	
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-9.19799995	
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1	
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	984.228088	
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	41.4821014	

Name	Input Value
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-10
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.59920001
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	19.9853992
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-36.2891998
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3194928896
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2891938048
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2891938048	2891938048 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.00280072191	-0.00280072168 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.0281493291	-0.0281493254 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.0599200018	-0.0599200018 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	2891938048	2891938048 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.73205018	-0.73205018 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.0599200018	-0.0599200018 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.26 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	*none*	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_IncGain_Uls_M_f32	*none*	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*	
PullCmp_ResetPer1_Cnt_M_lgc	*none*	
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComSTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_STOppSignTime_mS_M_u32	*none*	
PullCmp_STStepSize_HwNm_M_f32	*none*	

Name	Input Value
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	3.60369992
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-259.97049
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	40.0867004
target_ActivePull_Per1_HwTorque_HwNm_f32.value	10
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	8.16040039
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	390.815399
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-110.4114
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32 Elapsed	3054405120
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2946783232
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2946783232	2946783232 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.00154381176	-0.00154381152 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.0155554973	-0.0155554945 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.816040039	-0.816040039 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	2891938048	2891938048 ± 1	✔

Name	Actual Value	Expected Value	Result
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.869790792	-0.869790792 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.816040039	-0.816040039 ± 0.00048828125	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 1.27 (Repeat Count = 1)	✓
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	8.88930035
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.995899975
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	647.503174
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	32.0656013
target_ActivePull_Per1_HwTorque_HwNm_f32.value	4.35200024
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	6.25
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	37.7939987
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	94.5243988

Name	Input Value
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3943379200
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1410448128
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1410448128	1410448128 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.000996763585	-0.000996763469 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.0100705111	-0.0100705083 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.625	-0.625 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	2891938048	2891938048 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.749990225	-0.749990165 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.625	-0.625 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.28 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45

Name	Input Value
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.85179996
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.37560001
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	457.932007
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	2.43840003
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-9.65079975
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	322.451996
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-1.05350006
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1753296896
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1276482048
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1276482048	1276482048 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.000996638322	-0.000996638206 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.0100578638	-0.010057861 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.965079963	0.965080023 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	2891938048	2891938048 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.750371397	-0.750371337 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.965079963	0.965080023 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.29 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-7.53789997
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-269.234985
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	13.3289003
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-7.24209976
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.88460004
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	351.696899
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-21.8213005
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1255879424
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3827698944
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNl	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3827698944	3827698944 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.00190652511	-0.00190652499 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.01914021	-0.0191402063 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.188460007	-0.188460007 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	2891938048	2891938048 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.776833296	-0.776833236 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.188460007	-0.188460007 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.30 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000

Name	Input Value
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-1.06379998
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.745599985
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1298.00195
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-3.18210006
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0.0936999992
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.966400027
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	398.305786
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-120
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2207853056
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	195075072
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476525	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	195075072	195075072 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.00189451163	-0.00189451152 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.0189985	-0.0189984962 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476525	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	-0.0966400057	-0.0966399983 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	2891938048	2891938048 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.926559448	-0.926559389 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.0966400057	-0.0966399983 ± 0.00048828125	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 1.31 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	6.20349979
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.647099972
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	419.921906
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-28.6933002
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-5.12860012
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.09490001
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	207.447998
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	120
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1778074880
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1982656256
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1982656256	1982656256 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.002538712	-0.002538712 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.0254153833	-0.0254153796 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.10949	-0.10949 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1982656256	1982656256 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.774694085	-0.774694026 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.10949	-0.10949 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.32 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	*none*	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_IncGain_Uls_M_f32	*none*	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*	
PullCmp_ResetPer1_Cnt_M_lgc	*none*	
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComSTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_STOppSignTime_mS_M_u32	*none*	
PullCmp_STStepSize_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	

Name	Input Value
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.47979999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	46.8534012
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	12.6604996
target_ActivePull_Per1_HwTorque_HwNm_f32.value	7.84539986
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	7.27570009
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	389.115204
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	43.3412018
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1962996736
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2207512064
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2207512064	2207512064 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.00155257282	-0.00155257282 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.0155308358	-0.0155308321 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.727569997	-0.727569997 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1982656256	1982656256 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.71929121	-0.719291151 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.727569997	-0.727569997 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.33 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*

Name	Input Value
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-1.34809995
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.43599999
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-796.666809
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	10.0757999
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-8.56040001
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-6.02820015
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	88.8322983
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3379291904
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2755322112
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2755322112	2755322112 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.0026280419	-0.0026280419 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.0262618922	-0.0262618884 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.602820039	0.602819979 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	2755322112	2755322112 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.718387902	-0.718387842 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.602820039	0.602819979 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
CalcIntGain_f32	1	CalcIntGain_f32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	

Test Step 1.34 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	*none*	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_IncGain_Uls_M_f32	*none*	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*	
PullCmp_ResetPer1_Cnt_M_lgc	*none*	
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComSTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_STOppSignTime_mS_M_u32	*none*	
PullCmp_STStepSize_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	
k_STLearnTimeInc_Sec_f32	45	
k_STLimit_HwNm_f32	1	
k_STOppSignTime_mS_u32	100	
k_STResetHwPos_HwDeg_f32	45	
k_STResetHwTrq_HwNm_f32	3	
k_STResetLatAcc_MpSecSq_f32	1	
k_STResetYawRate_DegpS_f32	1	

Name	Input Value
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	5.69899988
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.893999994
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	238.944504
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	30.5872002
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-7.20419979
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	6.35559988
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	479.524689
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-45.2433014
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1538723328
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3618775040
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	3618775040	3618775040 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.00353296124	-0.00353296124 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.03527629	-0.0352762863 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	-0.635559976	-0.635560036 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	2755322112	2755322112 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.77430445	-0.77430439 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.635559976	-0.635560036 ± 0.00048828125	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 1.35 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*

Name	Input Value
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-0.831700027
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.47209999
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	716.577393
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-10.7812004
target_ActivePull_Per1_HwTorque_HwNm_f32.value	10
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.22530007
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	165.916397
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-6.74240017
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	640784640
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	755524352
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	755524352	755524352 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.00227595912	-0.00227595912 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.0226735082	-0.0226735044 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔

Name	Actual Value	Expected Value	Result
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	-0.322530001	-0.322530001 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	2755322112	2755322112 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.781799495	-0.781799436 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.322530001	-0.322530001 ± 0.00048828125	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 1.36 (Repeat Count = 1)	✓
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	5.1164999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-124.918404
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-37.4858017
target_ActivePull_Per1_HwTorque_HwNm_f32.value	7.51219988

Name	Input Value
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-6.75979996
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	35.3349991
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	11.4993
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2997745664
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1305582080
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	1305582080	1305582080 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.00133172155	-0.00133172155 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.0132108526	-0.0132108489 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0.675980031	0.675980031 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	2755322112	2755322112 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.766376317	-0.766376257 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.675980031	0.675980031 ± 0.00048828125	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 1.37 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*

Name	Input Value
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-6.35559988
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.748899996
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-624.68219
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-37.3576012
target_ActivePull_Per1_HwTorque_HwNm_f32.value	10
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-1	-1 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
CalcIntGain_f32	1	CalcIntGain_f32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	

Test Step 1.38 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	*none*	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_IncGain_Uls_M_f32	*none*	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*	
PullCmp_ResetPer1_Cnt_M_lgc	*none*	
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComSTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_STOppSignTime_mS_M_u32	*none*	
PullCmp_STStepSize_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	
k_STLearnTimeInc_Sec_f32	45	
k_STLimit_HwNm_f32	1	
k_STOppSignTime_mS_u32	100	
k_STResetHwPos_HwDeg_f32	45	
k_STResetHwTrq_HwNm_f32	3	
k_STResetLatAcc_MpSecSq_f32	1	
k_STResetYawRate_DegpS_f32	1	
k_TotalLimit_HwNm_f32	0	
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0	
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0	
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-4.16079998	
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.778999984	
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	483.214813	
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-10.1292	
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-4.97840023	
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1	
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1	
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.87019992	
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0	
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	511	
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	56.675499	
target_Pim_PullCmpLTComp_HwNm_f32	*none*	

Name	Input Value
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	4188155136
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3367507712
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3367507712	3367507712 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.000700551551	-0.000700551551 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.00688709691	-0.00688709365 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.387019992	-0.387019992 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3367507712	3367507712 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.799333692	-0.799333632 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.387019992	-0.387019992 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.39 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	*none*	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_IncGain_Uls_M_f32	*none*	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*	
PullCmp_ResetPer1_Cnt_M_lgc	*none*	
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComSTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_STOppSignTime_mS_M_u32	*none*	
PullCmp_STStepSize_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	

Name	Input Value
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-8.16759968
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1124.5426
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-3.64459991
target_ActivePull_Per1_HwTorque_HwNm_f32.value	3.91860008
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	2.11809993
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	34.3520012
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-66.9035034
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1672231936
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	177372672
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	177372672	177372672 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.000208068639	-0.000208068639 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.00195728149	-0.0019572787 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.211809993	-0.211810008 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3367507712	3367507712 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.882350504	-0.882350445 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.211809993	-0.211810008 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.40 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	10
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-629.388184
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-16.6702995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	3.14829993
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	83.4994965
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-69.3311005
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2760511232
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	325011712
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	177372672	177372672 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.000208068639	-0.000208068639 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.00195728149	-0.0019572787 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.211809993	-0.211810008 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3367507712	3367507712 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.882350504	-0.882350445 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

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

Test Step 1.41 (Repeat Count = 1)		✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1

Name	Input Value
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-4.04470015
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-379.659485
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	40.3105011
target_ActivePull_Per1_HwTorque_HwNm_f32.value	10
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	6.46990013
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	222.772903
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-42.1170006
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1425839616
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4259637248
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4259637248	4259637248 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.00104851567	0.00104851567 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.0106036561	0.0106036589 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.646990001	-0.646990001 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3367507712	3367507712 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.93413496	-0.934134901 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.646990001	-0.646990001 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.42 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-6.00549984
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	92.6692963
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	26.8549995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	3.25270009
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	338.0849
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	60.1792984
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	950801408
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1279006208
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f;	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1279006208	1279006208 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.00145710458	0.00145710458 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.0146752363	0.0146752391 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	1	1 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3367507712	3367507712 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.857385755	-0.857385695 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	1	1 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.43 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100

Name	Input Value
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	8.94190025
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.303499997
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	332.0466
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	23.4396
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-6.22550011
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	34.9230995
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	82.6093979
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2464843520
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2462220544
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2462220544	2462220544 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.000674651179	0.000674651179 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.00683852471	0.00683852751 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-1	-1 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3367507712	3367507712 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.752564192	-0.752564073 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-1	-1 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.44 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*

Name	Input Value
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*

PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*

TEST DETAILS REPORT

ActivePull_Per1

Name	Actual Value	Expected Value	Result
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.000564140093	0.000564140093 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.00572629739	0.00572630018 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.435200036	-0.435200006 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	849035264	849035264 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.813162148	-0.813162029 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.435200036	-0.435200006 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.45 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	*none*	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_IncGain_Uls_M_f32	*none*	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*	
PullCmp_ResetPer1_Cnt_M_lgc	*none*	
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComSTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_STOppSignTime_mS_M_u32	*none*	
PullCmp_STStepSize_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	
k_STLearnTimeInc_Sec_f32	45	
k_STLimit_HwNm_f32	1	
k_STOppSignTime_mS_u32	100	
k_STResetHwPos_HwDeg_f32	45	
k_STResetHwTrq_HwNm_f32	3	
k_STResetLatAcc_MpSecSq_f32	1	
k_STResetYawRate_DegpS_f32	1	
k_TotalLimit_HwNm_f32	0	
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0	
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0	

Name	Input Value
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.61019993
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-908.741516
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	11.5434999
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-6.7177
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	50.7336998
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-18.5002995
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2896509184
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2832007936
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2832007936	2832007936 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.000280048873	-0.000280048873 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.00271730404	-0.00271730125 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	2832007936	2832007936 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.835374475	-0.835374415 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.46 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*

Name	Input Value
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.54250002
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.486299992
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-623.112183
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-0.0361000001
target_ActivePull_Per1_HwTorque_HwNm_f32.value	10
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-7.24209976
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	337.882904
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	3.93910003
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	4124252160
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	889436672
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	889436672	889436672 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.000976544514	0.000976544514 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.009844 ePull_Per1_Eu		

Name	Actual Value	Expected Value	Result
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.724209964	0.724210024 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	889436672	889436672 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.829378486	-0.829378426 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.724209964	0.724210024 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.47 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	*none*	
PullCmp_EnableLearn_Cnt_M_lgc	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*	
PullCmp_IncGain_Uls_M_f32	*none*	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*	
PullCmp_ResetPer1_Cnt_M_lgc	*none*	
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*	
PullCmp_SComSTComp_HwNm_M_f32	*none*	
PullCmp_STComp_HwNm_M_f32	*none*	
PullCmp_STOppSignTime_mS_M_u32	*none*	
PullCmp_STStepSize_HwNm_M_f32	*none*	
PullCmp_VehSpdRate_KphpS_M_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	
k_STLearnTimeInc_Sec_f32	45	
k_STLimit_HwNm_f32	1	
k_STOppSignTime_mS_u32	100	
k_STResetHwPos_HwDeg_f32	45	
k_STResetHwTrq_HwNm_f32	3	
k_STResetLatAcc_MpSecSq_f32	1	
k_STResetYawRate_DegpS_f32	1	
k_TotalLimit_HwNm_f32	0	
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0	
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0	
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	3.84509993	
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.932500005	
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-750.124512	
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-9.23449993	
target_ActivePull_Per1_HwTorque_HwNm_f32.value	3.25270009	
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0	

Name	Input Value
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.256599993
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	34.3363991
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-16.9160004
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32 Elapsed	82524
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	96584
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	96584	96584 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.00138514256	0.00138514244 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.013917122	0.0139171239 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.0256599989	-0.0256600007 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	96584	96584 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.849580824	-0.849580765 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.0256599989	-0.0256600007 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 1.48 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
PullCmp_ResetPer1_Cnt_M_lgc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
PullCmp_STStepSize_HwNm_M_f32	*none*
PullCmp_VehSpdRate_KphpS_M_f32	*none*
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*

Name	Input Value
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	3.26090002
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.872399986
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	750.124512
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	6.12540007
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-6.22550011
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	6.23549986
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	427.668701
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-9.24230003
target_Pim_PullCmpLTComp_HwNm_f32	*none*
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	12365815
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	8569956
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	8569956	8569956 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.000602698186	0.000602698128 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.00608136225	0.00608136458 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.623549998	-0.623549998 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	8569956	8569956 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.860120833	-0.860120773 ± 0.00390625	✔

Name	Actual Value	Expected Value	Result
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.623549998	-0.623549998 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
CalcIntGain_f32	1	CalcIntGain_f32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	

Test Case 2: PIM Range Test ✔

Test Case 2: PIM Range Test

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

                      TS2.1 117.00 Cycles
                      TS2.2 3354.00 Cycles
                      TS2.3 3041.00 Cycles
                      TS2.4 3611.00 Cycles
                      TS2.5 3571.00 Cycles
                      TS2.6 3218.00 Cycles
                      TS2.7 3516.00 Cycles
                      TS2.8 3393.00 Cycles
                      TS2.9 3336.00 Cycles
                      TS2.10 3493.00 Cycles
                      TS2.11 2999.00 Cycles
                      TS2.12 3339.00 Cycles
                      TS2.13 3167.00 Cycles
                      TS2.14 3093.00 Cycles
                      TS2.15 2903.00 Cycles
                      TS2.16 3345.00 Cycles
                      TS2.17 3328.00 Cycles
                      TS2.18 3242.00 Cycles
                      TS2.19 3626.00 Cycles
                      TS2.20 3616.00 Cycles
                      TS2.21 3350.00 Cycles
                      TS2.22 3353.00 Cycles
                      TS2.23 3230.00 Cycles
                      TS2.24 3226.00 Cycles
                      TS2.25 3077.00 Cycles
                      TS2.26 3525.00 Cycles
                      TS2.27 3023.00 Cycles
                      TS2.28 3739.00 Cycles
                      TS2.29 2921.00 Cycles
                      TS2.30 3387.00 Cycles
                      TS2.31 3356.00 Cycles
                      TS2.32 3156.00 Cycles
                      TS2.33 2897.00 Cycles
                      TS2.34 2917.00 Cycles
                      TS2.35 3511.00 Cycles
                      TS2.36 3146.00 Cycles
                      TS2.37 3415.00 Cycles
                      TS2.38 3024.00 Cycles
                      TS2.39 3579.00 Cycles
                      TS2.40 135.00 Cycles
                      TS2.41 3158.00 Cycles
                      TS2.42 3120.00 Cycles
                      TS2.43 3017.00 Cycles
                      TS2.44 3483.00 Cycles
                      TS2.45 3068.00 Cycles
                      TS2.46 3244.00 Cycles
                      TS2.47 2960.00 Cycles
                      TS2.48 3350.00 Cycles
                      TS2.49 3390.00 Cycles
                      TS2.50 3539.00 Cycles
                      TS2.51 2920.00 Cycles
                      TS2.52 3131.00 Cycles
                      TS2.53 3551.00 Cycles
                      TS2.54 2938.00 Cycles
                      TS2.55 2917.00 Cycles
                      TS2.56 3341.00 Cycles
                      TS2.57 2917.00 Cycles
                      TS2.58 ()Tj E0 0 1 131.15 383.63 cm 1 0 0 1 0 0 Tm ()Tj ET Q q BT /F5 6 Tf0 0 1 0 0 Tm ()Tj ET Q q B.84d q BT /F5 6 Tf 1

Description   Vector Description:

TS2.1PullCmpLTComp_HwNm_f32==>Min
TS2.2PullCmpLTComp_HwNm_f32==>Max
TS2.3PullCmpLTComp_HwNm_f32==>Pos
TS2.4PullCmpLTComp_HwNm_f32==>Zero
TS2.5PullCmpLTComp_HwNm_f32==>Neg
TS2.6PullCmp_STComp_HwNm_M_f32==>Min
TS2.7PullCmp_STComp_HwNm_M_f32==>Max
TS2.8PullCmp_STComp_HwNm_M_f32==>Pos
TS2.9PullCmp_STComp_HwNm_M_f32==>Zero
TS2.10PullCmp_STComp_HwNm_M_f32==>Neg
TS2.11PullCmp_ResetPer1_Cnt_M_lgc==>Min
TS2.12PullCmp_ResetPer1_Cnt_M_lgc==>Max
TS2.13PullCmp_SComSTCompSet_Cnt_M_lgc==>Min
TS2.14PullCmp_SComSTCompSet_Cnt_M_lgc==>Max
TS2.15PullCmp_SComSTComp_HwNm_M_f32==>Min
TS2.16PullCmp_SComSTComp_HwNm_M_f32==>Max
TS2.17PullCmp_SComSTComp_HwNm_M_f32==>Pos
TS2.18PullCmp_SComSTComp_HwNm_M_f32==>Zero
TS2.19PullCmp_SComSTComp_HwNm_M_f32==>Neg
TS2.20PullCmp_HwTorqueSV_HwNm_M_Str.K==>Min
TS2.21PullCmp_HwTorqueSV_HwNm_M_Str.K==>Max
TS2.22PullCmp_HwTorqueSV_HwNm_M_Str.K==>Pos
TS2.23PullCmp_HwTorqueSV_HwNm_M_Str.SV==>Min
TS2.24PullCmp_HwTorqueSV_HwNm_M_Str.SV==>Max
TS2.25PullCmp_HwTorqueSV_HwNm_M_Str.SV==>Pos
TS2.26PullCmp_HwTorqueSV_HwNm_M_Str.SV==>Zero
TS2.27PullCmp_HwTorqueSV_HwNm_M_Str.SV==>Neg
TS2.28PullCmp_VehicleYawRateSV_DegpS_M_Str.K==>Min
TS2.29PullCmp_VehicleYawRateSV_DegpS_M_Str.K==>Max
TS2.30PullCmp_VehicleYawRateSV_DegpS_M_Str.K==>Pos
TS2.31PullCmp_VehicleYawRateSV_DegpS_M_Str.SV==>Min
TS2.32PullCmp_VehicleYawRateSV_DegpS_M_Str.SV==>Max
TS2.33PullCmp_VehicleYawRateSV_DegpS_M_Str.SV==>Pos
TS2.34PullCmp_VehicleYawRateSV_DegpS_M_Str.SV==>Zero
TS2.35PullCmp_VehicleYawRateSV_DegpS_M_Str.SV==>Neg
TS2.36PullCmp_HwTorqueSTSV_HwNm_M_Str.K==>Min
TS2.37PullCmp_HwTorqueSTSV_HwNm_M_Str.K==>Max
TS2.38PullCmp_HwTorqueSTSV_HwNm_M_Str.K==>Pos
TS2.39PullCmp_HwTorqueSTSV_HwNm_M_Str.SV==>Min
TS2.40PullCmp_HwTorqueSTSV_HwNm_M_Str.SV==>Max
TS2.41PullCmp_HwTorqueSTSV_HwNm_M_Str.SV==>Pos
TS2.42PullCmp_HwTorqueSTSV_HwNm_M_Str.SV==>Zero
TS2.43PullCmp_HwTorqueSTSV_HwNm_M_Str.SV==>Neg
TS2.44PullCmp_STStepSize_HwNm_M_f32==>Min
TS2.45PullCmp_STStepSize_HwNm_M_f32==>Max
TS2.46PullCmp_STStepSize_HwNm_M_f32==>Pos
TS2.47PullCmp_VehSpdRate_KphpS_M_f32==>Min
TS2.48PullCmp_VehSpdRate_KphpS_M_f32==>Max
TS2.49PullCmp_VehSpdRate_KphpS_M_f32==>Pos
TS2.50PullCmp_VehSpdRate_KphpS_M_f32==>Zero
TS2.51PullCmp_VehSpdRate_KphpS_M_f32==>Neg
TS2.52PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4==>Min
TS2.53PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4==>Max
TS2.54PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4==>Pos
TS2.55PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4==>Min
TS2.56PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4==>Max
TS2.57PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4==>Pos
TS2.58PullCmp_IncGain_Uls_M_f32==>Min
TS2.59PullCmp_IncGain_Uls_M_f32==>Max
TS2.60PullCmp_IncGain_Uls_M_f32==>Pos
TS2.61PullCmp_DecGain_Uls_M_f32==>Min
TS2.62PullCmp_DecGain_Uls_M_f32==>Max
TS2.63PullCmp_DecGain_Uls_M_f32==Pos

Test Step 2.1 (Repeat Count = 1)   ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.52999996e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-6.94080019
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.48559999
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	2.23999996e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1632
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	128
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	1.57749999
PullCmp_STComp_HwNm_M_f32	2.5559001
PullCmp_STOppSignTime_mS_M_u32	534
PullCmp_STStepSize_HwNm_M_f32	14404.1494
PullCmp_VehSpdRate_KphpS_M_f32	2654.1731
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-111.972198
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.358200759
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime

Name	Input Value
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-3.56080008
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.660600007
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-591.132507
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	13.2515001
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-8.80949974
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-6.94080019
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	239.069595
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	58.6377983
target_Pim_PullCmpLTComp_HwNm_f32	-10
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3042951168
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1188733440
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1188733440	1188733440 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-8.27764988	-8.27764988 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-7.00965738	-7.00965786 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.694080055	0.694079995 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	534	534 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-50.8595657	-50.8595657 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.694080055	0.694079995 ± 0.00048828125	✔

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 2.2 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.11000003e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.63090003
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.9921999
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	2.20000002e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1808
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1296
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-2.50970006
PullCmp_STComp_HwNm_M_f32	2.71479988
PullCmp_STOppSignTime_mS_M_u32	151
PullCmp_STStepSize_HwNm_M_f32	17590.9961
PullCmp_VehSpdRate_KphpS_M_f32	3894.74951
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-116.150803
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.359950215
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	7.89849997
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1395.14307
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	10.1912003
target_ActivePull_Per1_HwTorque_HwNm_f32.value	8.44330025
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.63090003
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	506.343903
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-91.4565964
target_Pim_PullCmpLTComp_HwNm_f32	10
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3531571968
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	471260416
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	471260416	471260416 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.576087	5.57608652 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.88413239	8.88413143 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	151	151 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-107.262115	-107.262123 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
CalcIntGain_f32	1	CalcIntGain_f32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔

Test Step 2.3 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	3.06000002e-005	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-2.32979989	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.209800929	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.33450007	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_IncGain_Uls_M_f32	2.66000006e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	896	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	176	
PullCmp_ResetPer1_Cnt_M_lgc	1	
PullCmp_SComSTCompSet_Cnt_M_lgc	0	
PullCmp_SComSTComp_HwNm_M_f32	-1.78199995	
PullCmp_STComp_HwNm_M_f32	-2.55909991	
PullCmp_STOppSignTime_mS_M_u32	892	
PullCmp_STStepSize_HwNm_M_f32	13678.9316	
PullCmp_VehSpdRate_KphpS_M_f32	-4396.61035	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-4.83260012	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.537477314	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	

Name	Input Value
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-3.30170012
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.518100023
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	753.313599
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	3.32559991
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-6.58190012
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-2.32979989
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	220.864899
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-14.9853001
target_Pim_PullCmpLTComp_HwNm_f32	2.34200001
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2716613120
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3943574528
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	3943574528	3943574528 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-3.2218945	-3.2218945 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.75959754	-3.75959778 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	3943574528	3943574528 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-10.2894459	-10.2894459 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.4 (Repeat Count = 1) ✔

Name	Input Value	
PullCmp_DecGain_Uls_M_f32	4.81999996e-005	
PullCmp_EnableLearn_Cnt_M_lgc	0	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.41759968	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_IncGain_Uls_M_f32	3.07000009e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1328	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	992	
PullCmp_ResetPer1_Cnt_M_lgc	1	
PullCmp_SComSTCompSet_Cnt_M_lgc	1	
PullCmp_SComSTComp_HwNm_M_f32	0.824199975	
PullCmp_STComp_HwNm_M_f32	2.34150004	
PullCmp_STOppSignTime_mS_M_u32	1212	
PullCmp_STStepSik		41759968

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1109671680	1109671680 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.565458298	-0.565458357 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.01582432	-1.01582468 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1212	1212 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	72.0814133	72.0814133 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
CalcIntGain_f32	1	CalcIntGain_f32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	

Test Step 2.5 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	1.56999995e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.44060004
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.570759296
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.47429991
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	4.35000002e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1120
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1936
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.92540002
PullCmp_STComp_HwNm_M_f32	-2.65969992
PullCmp_STOppSignTime_mS_M_u32	690
PullCmp_STStepSize_HwNm_M_f32	4930.18457
PullCmp_VehSpdRate_KphpS_M_f32	5073.27246
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-39.1571007
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.058935117
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-6.33769989
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.3574
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	304.968414
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	18.9354992
target_ActivePull_Per1_HwTorque_HwNm_f32.value	2.7671001
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.44060004
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	365.146912
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	18.1651993
target_Pim_PullCmpLTComp_HwNm_f32	-2.46320009
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1147962368
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3773695488
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	3773695488	3773695488 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	2.19771242	2.19771218 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.421518803	0.421518832 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	-0.144060001	-0.144060001 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	690	690 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-35.7788048	-35.7788048 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.144060001	-0.144060001 ± 0.00048828125	✓

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.6 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	5.40000001e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.22899997
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.619205296
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	5.27000011e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2000
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	160
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	0.434199989
PullCmp_STComp_HwNm_M_f32	-10
PullCmp_STOppSignTime_mS_M_u32	674
PullCmp_STStepSize_HwNm_M_f32	17301.8379
PullCmp_VehSpdRate_KphpS_M_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.4562998
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.00150000001
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.22899997
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	86.8964996
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	1.74160004
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2809360384
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4251046400
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3773695488	3773695488 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.467996657	0.467996687 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.311328053	0.311328053 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	4251046400	4251046400 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.311328053	0.311328053 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
CalcIntGain_f32	1	CalcIntGain_f32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔

Test Step 2.7 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	2.32000002e-005	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.310499996	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.03410006	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_IncGain_Uls_M_f32	3.11000003e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1664	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1904	
PullCmp_ResetPer1_Cnt_M_lgc	1	
PullCmp_SComSTCompSet_Cnt_M_lgc	1	
PullCmp_SComSTComp_HwNm_M_f32	0.112400003	
PullCmp_STComp_HwNm_M_f32	10	
PullCmp_STOppSignTime_mS_M_u32	1006	
PullCmp_STStepSize_HwNm_M_f32	16200.8447	
PullCmp_VehSpdRate_KphpS_M_f32	-4598.86865	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	42.9109993	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.0645939261	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	

Name	Input Value
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-8.47280025
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.00499999989
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	24.0296001
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	41.4073982
target_ActivePull_Per1_HwTorque_HwNm_f32.value	1.10790002
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.310499996
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	84.8103027
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-49.1581001
target_Pim_PullCmpLTComp_HwNm_f32	-3.56220007
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1493114368
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3059527680
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	3059527680	3059527680 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.880952358	0.880952358 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.22533417	2.22533417 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	3059527680	3059527680 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	36.9638939	36.9638939 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace ✔

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f.	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	793293568	793293568 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	7.82569742	7.82569742 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.837581873	0.837581873 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	793293568	793293568 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-6.92829895	-6.92829752 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.51000014e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.0702999979
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.79470015
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	3.66999993e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1488
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2912
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-1.09249997
PullCmp_STComp_HwNm_M_f32	0
PullCmp_STOppSignTime_mS_M_u32	228
PullCmp_STStepSize_HwNm_M_f32	17675.7305
PullCmp_VehSpdRate_KphpS_M_f32	-315.419067
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	60.9576988
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.360339791
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10

Name	Input Value
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-0.49059999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1030.28052
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-10.9919004
target_ActivePull_Per1_HwTorque_HwNm_f32.value	1.47920001
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.0702999979
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	503.905792
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	30.3349991
target_Pim_PullCmpLTComp_HwNm_f32	-1.51979995
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3770058752
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim	1817225728
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1817225728	1817225728 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.07821357	1.07821357 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.591021538	-0.591021478 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.00702999998	-0.00702999998 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1817225728	1817225728 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	49.9231224	49.9231224 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.00702999998	-0.00702999998 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.10 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.48999998e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-6.08370018
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.144954711
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.1717
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	4.46999984e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	96
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2464
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-3.49530005
PullCmp_STComp_HwNm_M_f32	-1.34200001
PullCmp_STOppSignTime_mS_M_u32	1385
PullCmp_STStepSize_HwNm_M_f32	9739.24121
PullCmp_VehSpdRate_KphpS_M_f32	-2882.31543
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	67.7482986
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.55369997
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.557200015
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1171.71692
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-14.6541996
target_ActivePull_Per1_HwTorque_HwNm_f32.value	10
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-6.08370018
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	396.085388
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	1.1006
target_Pim_PullCmpLTComp_HwNm_f32	0.223800004
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	94055168
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3990144256

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3990144256	3990144256 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-3.75229216	-3.75229216 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.68198919	5.68198919 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1385	1385 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	20.0691719	20.0691719 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.11 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	1.89999992e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-7.21309996
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.60029984
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	2.54000006e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1200
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1840
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.33850002
PullCmp_STComp_HwNm_M_f32	1.87800002
PullCmp_STOppSignTime_mS_M_u32	561
PullCmp_STStepSize_HwNm_M_f32	1343.72986
PullCmp_VehSpdRate_KphpS_M_f32	-3444.39136
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	33.2468987
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-9.36450005
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	121.146599
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-11.9111004
target_ActivePull_Per1_HwTorque_HwNm_f32.value	6.05700016
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-7.21309996
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	290.890503
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	45.8964005
target_Pim_PullCmpLTComp_HwNm_f32	-0.995199978
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1765360128
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	796161024
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	796161024	796161024 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	2.28020239	2.28020263 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.78084755	6.78084755 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0.721310019	0.721310019 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	561	561 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	42.2962303	42.2962303 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.721310019	0.721310019 ± 0.00048828125	✓

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.12 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.05999999e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.38670015
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.20149994
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.613244295
PullCmp_IncGain_Uls_M_f32	1.63000004e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	432
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1376
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.46659994
PullCmp_STComp_HwNm_M_f32	3.65969992
PullCmp_STOppSignTime_mS_M_u32	761
PullCmp_STStepSize_HwNm_M_f32	6889.38867
PullCmp_VehSpdRate_KphpS_M_f32	4504.56934
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	98.8471985
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-3.31680012
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.809700012
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-243.319305
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-21.9717007
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.49559999
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	6.38670015
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	196.443802
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-35.0810013
target_Pim_PullCmpLTComp_HwNm_f32	3.56450009
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	4152032512
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3356583680
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3356583680	3356583680 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.747777939	0.747777939 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.76861084	-1.76861084 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3356583680	3356583680 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	3.03624725	3.03624511 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
CalcIntGain_f32	1	CalcIntGain_f32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	

Test Step 2.13 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	2.40999998e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.34040001
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.2026999
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.21082069
PullCmp_IncGain_Uls_M_f32	3.88000008e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2096
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2352
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-3.60220003
PullCmp_STComp_HwNm_M_f32	-0.87620002
PullCmp_STOppSignTime_mS_M_u32	149
PullCmp_STStepSize_HwNm_M_f32	15563.7217
PullCmp_VehSpdRate_KphpS_M_f32	-2995.82471
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	52.3585014
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.133242711
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-3.13389993
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-139.594299
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	17.6947002
target_ActivePull_Per1_HwTorque_HwNm_f32.value	2.04959989
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-0.34040001
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	391.295013
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-81.2941971
target_Pim_PullCmpLTComp_HwNm_f32	2.36520004
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2779340544
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1443043584
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	1443043584	1443043584 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.3693831	1.36938322 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.17042327	2.17042327 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	149	149 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	34.5502548	34.5502548 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.14 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.75999987e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-5.55000019
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.166753277
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.68480003
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	3.38999998e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	480
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	512
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	3.76430011
PullCmp_STOppSignTime_mS_M_u32	1329
PullCmp_STStepSize_HwNm_M_f32	9169.40527
PullCmp_VehSpdRate_KphpS_M_f32	-2065.16992
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-29.6690998
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.497378677
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	5.96019983
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.87529999
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	573.547119
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-19.2054005
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-0.653999984
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-5.55000019
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	121.886703
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	98.5039978
target_Pim_PullCmpLTComp_HwNm_f32	3.96090007
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3000935936
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1228503040
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1228503040	1228503040 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.73357582	-4.7335763 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.947375476	-0.947375536 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1329	1329 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	34.0814667	34.0814667 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.15 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	2.20000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	4.13999987e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	624
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	176
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-10
PullCmp_STComp_HwNm_M_f32	3.41000009
PullCmp_STOppSignTime_mS_M_u32	496
PullCmp_STStepSize_HwNm_M_f32	18712.3984
PullCmp_VehSpdRate_KphpS_M_f32	-2110.36499
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-24.9435005
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000

Name	Input Value
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	10
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.82130003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-267.643188
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	7.03249979
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-9.18939972
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	312.093597
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	76.3923035
target_Pim_PullCmpLTComp_HwNm_f32	-2.13190007
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3637661696
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1196667392
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1196667392	1196667392 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-3.7279129	-3.72791338 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.7279129	-3.72791338 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1196667392	1196667392 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	47.5511589	47.5511627 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1			

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	317435136	317435136 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.13077068	1.13077056 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.698016644	-0.698016584 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	106	106 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-79.1652756	-79.1652756 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc		1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32		1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.17 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	3.40000006e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	2.93230009
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.27420044
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	3.92000002e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	304
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2432
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	3.352
PullCmp_STComp_HwNm_M_f32	2.40350008
PullCmp_STOppSignTime_mS_M_u32	856
PullCmp_STStepSize_HwNm_M_f32	9521.33301
PullCmp_VehSpdRate_KphpS_M_f32	3046.50024
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-1.92130005
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	1.63429999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1396.88232
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	37.1688995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.26419997
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	2.93230009
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	491.0802
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0.299899995
target_Pim_PullCmpLTComp_HwNm_f32	0.225199997
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1802717696
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	500153344
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	500153344	500153344 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.0698356628	-0.0698359683 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.45051956	1.45051992 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	856	856 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-0.332274795	-0.332274765 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.18 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.85999992e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.816299975
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.158473283
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.90430021
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.709795296
PullCmp_IncGain_Uls_M_f32	1.99999995e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1968
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3056
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	0
PullCmp_STComp_HwNm_M_f32	0.540799975
PullCmp_STOppSignTime_mS_M_u32	538
PullCmp_STStepSize_HwNm_M_f32	9086.43066
PullCmp_VehSpdRate_KphpS_M_f32	-2302.89941
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-67.5150986
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.74399996
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.624599993
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	263.965302
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-20.7523003
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-2.32620001
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.816299975
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	418.124695
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-111.8731
target_Pim_PullCmpLTComp_HwNm_f32	-2.87980008
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1122821376
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1679789824
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1679789824	1679789824 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.318297684	0.318297684 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.07437682	-3.07437682 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.081629999	-0.081629999 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	538	538 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-99.2483902	-99.2483902 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.081629999	-0.081629999 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.19 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.80999991e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-8.74600029
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.00030041
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00749723241
PullCmp_IncGain_Uls_M_f32	5.0300001e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2256
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1104
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-1.352
PullCmp_STComp_HwNm_M_f32	-0.518400013
PullCmp_STOppSignTime_mS_M_u32	1414
PullCmp_STStepSize_HwNm_M_f32	1146.29285
PullCmp_VehSpdRate_KphpS_M_f32	-1404.6626
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-98.768898
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.172491372
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000

Name	Input Value
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-6.00549984
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	92.6692963
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	26.8549995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	3.25270009
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-8.74600029
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	338.0849
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	60.1792984
target_Pim_PullCmpLTComp_HwNm_f32	-2.5783999
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	950801408
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1279006208
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1279006208	1279006208 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.162244797	-0.162244767 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.95720959	8.95720959 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.874600053	0.874599993 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1414	1414 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-71.3517075	-71.3517075 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.874600053	0.874599993 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.20 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	1.35e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.60910034
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.369738966
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.11660004
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	2.85000006e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1408
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2192
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	1.78849995
PullCmp_STOppSignTime_mS_M_u32	638
PullCmp_STStepSize_HwNm_M_f32	6448.93359
PullCmp_VehSpdRate_KphpS_M_f32	2382.95166
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-43.5387001
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.115670227
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	8.94190025
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.303499997
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	332.0466
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	23.4396
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-6.22550011
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	8.60910034
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	34.9230995
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	82.6093979
target_Pim_PullCmpLTComp_HwNm_f32	0.496100008
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2464843520
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2462220544
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2462220544	2462220544 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	3.1241703	3.12417054 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.10110044	6.10110044 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	638	638 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-28.9471207	-28.9471207 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
CalcIntGain_f32	1	CalcIntGain_f32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	

Test Step 2.21 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	5.40000001e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.273200005
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.53549957
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	4.65000012e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1344
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2544
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-0.387800008
PullCmp_STComp_HwNm_M_f32	-3.08279991
PullCmp_STOppSignTime_mS_M_u32	1172
PullCmp_STStepSize_HwNm_M_f32	4842.26367
PullCmp_VehSpdRate_KphpS_M_f32	-3513.17822
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	18.7744007
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.674806118
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45

Name	Input Value
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-3.30960011
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1183.23914
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-7.34590006
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-0.878799975
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-0.273200005
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	238.252197
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-49.0051994
target_Pim_PullCmpLTComp_HwNm_f32	3.52410007
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3250269696
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	849035264
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	849035264	849035264 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.706440449	-0.706440449 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.05796957	-3.05796981 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	849035264	849035264 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-26.9636898	-26.9636879 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.22 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.16000008e-005
PullCmp_EnableLearn_Cnt_M_lgc	0

Name	Input Value
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.73799992
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.23190022
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.315390468
PullCmp_IncGain_Uls_M_f32	2.01000003e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1072
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	112
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-2.50340009
PullCmp_STComp_HwNm_M_f32	-1.92980003
PullCmp_STOppSignTime_mS_M_u32	1496
PullCmp_STStepSize_HwNm_M_f32	10510.7041
PullCmp_VehSpdRate_KphpS_M_f32	4802.01074
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	95.280899
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.61019993
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-908.741516
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	11.5434999
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-6.7177
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.73799992
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	50.7336998
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-18.5002995
target_Pim_PullCmpLTComp_HwNm_f32	2.12319994
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2896509184
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2832007936
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2832007936	2832007936 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-6.15425873	-6.15425825 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.38511705	-6.38511705 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.473800004	0.473800004 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	2832007936	2832007936 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	13.8829193	13.8829165 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.473800004	0.473800004 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
CalcIntGain_f32	1	CalcIntGain_f32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	

Test Step 2.23 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	2.75999992e-005	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.32119989	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-10	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_IncGain_Uls_M_f32	3.36999983e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2240	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2544	
PullCmp_ResetPer1_Cnt_M_lgc	1	
PullCmp_SComSTCompSet_Cnt_M_lgc	1	
PullCmp_SComSTComp_HwNm_M_f32	-3.25650001	
PullCmp_STComp_HwNm_M_f32	2.93169999	
PullCmp_STOppSignTime_mS_M_u32	1381	
PullCmp_STStepSize_HwNm_M_f32	19711.5254	
PullCmp_VehSpdRate_KphpS_M_f32	-2883.76611	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	87.1158981	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.4319686	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	
k_STLearnTimeInc_Sec_f32	45	
k_STLimit_HwNm_f32	1	
k_STOppSignTime_mS_u32	100	
k_STResetHwPos_HwDeg_f32	45	
k_STResetHwTrq_HwNm_f32	3	
k_STResetLatAcc_MpSecSq_f32	1	
k_STResetYawRate_DegpS_f32	1	

Name	Input Value
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.54250002
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.486299992
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-623.112183
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-0.0361000001
target_ActivePull_Per1_HwTorque_HwNm_f32.value	10
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.32119989
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	337.882904
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	3.93910003
target_Pim_PullCmpLTComp_HwNm_f32	2.96359992
target Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32 Elapsed	4124252160
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	889436672
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	889436672	889436672 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.9240489	5.92404985 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.30780888	4.30780888 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1381	1381 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	51.1861343	51.1861343 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.24 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.51000004e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.70109987
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	1.47999999e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	672
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1552

Name	Input Value
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	3.99000001
PullCmp_STComp_HwNm_M_f32	-3.42689991
PullCmp_STOppSignTime_mS_M_u32	1224
PullCmp_STStepSize_HwNm_M_f32	7245.31543
PullCmp_VehSpdRate_KphpS_M_f32	973.630615
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	9.59790039
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.348728627
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	6.10769987
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1385.91736
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.373899996
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-4.23050022
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.70109987
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	398.654205
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-119.054398
target_Pim_PullCmpLTComp_HwNm_f32	-3.53290009
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2894428928
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4093351168
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4093351168	4093351168 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.36443758	-4.3644371 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.180363655	-0.180363715 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔

Name	Actual Value	Expected Value	Result
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1224	1224 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-35.2668381	-35.2668381 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.25 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	4.95999993e-005	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	3.0150001	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.02277763	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.56299996	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_IncGain_Uls_M_f32	4.37999988e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	128	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	656	
PullCmp_ResetPer1_Cnt_M_lgc	1	
PullCmp_SComSTCompSet_Cnt_M_lgc	1	
PullCmp_SComSTComp_HwNm_M_f32	-1.7737	
PullCmp_STComp_HwNm_M_f32	-0.591499984	
PullCmp_STOppSignTime_mS_M_u32	468	
PullCmp_STStepSize_HwNm_M_f32	17986.1211	
PullCmp_VehSpdRate_KphpS_M_f32	367.929779	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-110.2118	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	
k_STLearnTimeInc_Sec_f32	45	
k_STLimit_HwNm_f32	1	
k_STOppSignTime_mS_u32	100	
k_STResetHwPos_HwDeg_f32	45	
k_STResetHwTrq_HwNm_f32	3	
k_STResetLatAcc_MpSecSq_f32	1	
k_STResetYawRate_DegpS_f32	1	
k_TotalLimit_HwNm_f32	0	
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0	
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1	
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	5.01350021	
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.228699997	
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1000.4364	
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-30.6818008	
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-8.76589966	

Name	Input Value
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.0150001
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	233.684006
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	40.389801
target_Pim_PullCmpLTComp_HwNm_f32	-1.92980003
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3250213376
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4232053760
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	4232053760	4232053760 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	2.74665904	2.74665904 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.25697708	-5.25697708 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	4232053760	4232053760 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-2.47286224	-2.47285438 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 2.26 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.35000004e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.42560005
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.172151044
PullCmp_IncGain_Uls_M_f32	4.75999987e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2848
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1936
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	0.777400017
PullCmp_STComp_HwNm_M_f32	-3.6888001
PullCmp_STOppSignTime_mS_M_u32	1496
PullCmp_STStepSize_HwNm_M_f32	9484.37109
PullCmp_VehSpdRate_KphpS_M_f32	-3245.4978

Name	Input Value
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-58.6716995
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	4.42929983
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-229.676804
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	40.4000015
target_ActivePull_Per1_HwTorque_HwNm_f32.value	6.9000001
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.42560005
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	4.56339979
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	115.353897
target_Pim_PullCmpLTComp_HwNm_f32	1.35720003
target Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32 Elapsed	104320256
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim	3287201536
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3287201536	3287201536 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	3.67662525	3.67662597 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.18784225	1.18784225 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.442560017	0.442560017 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1496	1496 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	65.8245544	65.8245544 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.442560017	0.442560017 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
CalcIntGain_f32	1	CalcIntGain_f32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	

Test Step 2.27 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	2.99999992e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-9.53919983
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.34499979
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	2.54000006e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	128
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2912
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	0.781000018
PullCmp_STComp_HwNm_M_f32	2.31329989
PullCmp_STOppSignTime_mS_M_u32	447
PullCmp_STStepSize_HwNm_M_f32	12580.0557
PullCmp_VehSpdRate_KphpS_M_f32	2805.56274
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-76.4961014
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.486627698
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	5.9703002
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	140.019897
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-26.9022007
target_ActivePull_Per1_HwTorque_HwNm_f32.value	4.91039991
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-9.53919983
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	272.018707
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-97.4914017
target_Pim_PullCmpLTComp_HwNm_f32	4

Name	Input Value
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	476797952
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3144588800
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.000000014901116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3144588800	3144588800 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.797905922	0.797905803 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.9916153	1.99161518 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.000000014901116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.953920007	0.953920007 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3144588800	3144588800 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-86.7129974	-86.7129974 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.953920007	0.953920007 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.28 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	5.13000014e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.04590034
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.41479993
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	3.04999994e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1472
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3040
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-2.51309991
PullCmp_STComp_HwNm_M_f32	0.364199996
PullCmp_STOppSignTime_mS_M_u32	664
PullCmp_STStepSize_HwNm_M_f32	4268.39111
PullCmp_VehSpdRate_KphpS_M_f32	936.485291
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	127.9375
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45

Name	Input Value
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-4.58080006
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	168.892303
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	8.11219978
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-4.70790005
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	8.04590034
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	313.371613
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	68.0907974
target_Pim_PullCmpLTComp_HwNm_f32	3.02469993
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3737956096
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	424339712
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	424339712	424339712 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.0780468	-1.07804656 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.68071151	-2.68071151 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	664	664 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	127.862343	127.862343 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.29 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.37000004e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.254999995
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.16429996
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.421710879
PullCmp_IncGain_Uls_M_f32	3.42999992e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2368
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2096
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	3.1566999
PullCmp_STComp_HwNm_M_f32	2.4776001
PullCmp_STOppSignTime_mS_M_u32	435
PullCmp_STStepSize_HwNm_M_f32	5026.15088
PullCmp_VehSpdRate_KphpS_M_f32	3047.09253
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-58.5340004
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	1.54429996
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	810.141785
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	15.9336004
target_ActivePull_Per1_HwTorque_HwNm_f32.value	6.59619999
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-0.254999995
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	442.156708
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-109.357201
target_Pim_PullCmpLTComp_HwNm_f32	-2.4052
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2025108992
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2728527872
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2728527872	2728527872 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4.64628315	4.64628315 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.76814795	5.76814795 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	2728527872	2728527872 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-94.8924332	-94.8924332 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
CalcIntGain_f32	1	CalcIntGain_f32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔

Test Step 2.30 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	3.59000005e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.396083593
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.61400008
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	1.35999999e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2416
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	32
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	0.0260000005
PullCmp_STOppSignTime_mS_M_u32	701
PullCmp_STStepSize_HwNm_M_f32	19031.7617
PullCmp_VehSpdRate_KphpS_M_f32	4011.0835
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-91.1958008
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.0456999987
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0.691399992
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1316.36816
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-32.6870995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	8.27400017
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	161.270096
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	112.778702
target_Pim_PullCmpLTComp_HwNm_f32	1.44089997
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	936943872
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3453528832
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3453528832	3453528832 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	9.31635952	9.31635952 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.17517185	5.1751709 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3453528832	3453528832 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-81.8741684	-81.8741684 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1			

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3867197952	3867197952 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.37336254	6.37336254 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.54553032	4.54553032 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.274250001	0.274250001 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	399	399 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-9.86545563	-9.86545658 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.274250001	0.274250001 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.32 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	4.65000012e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4.19000006
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	5.31000005e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	672
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3088
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.24530005
PullCmp_STComp_HwNm_M_f32	3.14520001
PullCmp_STOppSignTime_mS_M_u32	741
PullCmp_STStepSize_HwNm_M_f32	17232.2813
PullCmp_VehSpdRate_KphpS_M_f32	1690.72046
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	127.9375
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-4.08620024
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1270.14246
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	20.7404995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-4.30849981
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4.19000006
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	313.981598
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	45.972599
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1939088128
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4255415552
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	4255415552	4255415552 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.88974571	-1.88974571 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.236164093	-0.236164168 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	-0.419	-0.419 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	4255415552	4255415552 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	69.3005905	69.3005905 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.419	-0.419 ± 0.00048828125	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.33 (Repeat Count = 1)

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.25000001e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.95950031
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.0272379816
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.30919981
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	1.72e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1504
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	16
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	3.46580005
PullCmp_STComp_HwNm_M_f32	2.98740005
PullCmp_STOppSignTime_mS_M_u32	667
PullCmp_STStepSize_HwNm_M_f32	13075.3018
PullCmp_VehSpdRate_KphpS_M_f32	4350.2583
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	36.4519997
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.0272890665
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	82136064	82136064 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.70790005	8.70790005 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.5970664	1.59706616 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.895950019	-0.895950019 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	667	667 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	36.7066536	36.7066536 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.895950019	-0.895950019 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
CalcIntGain_f32	1	CalcIntGain_f32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔

Test Step 2.34 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	3.55999982e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.61210012
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.05039978
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	4.51000014e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2784
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3056
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	2.95790005
PullCmp_STComp_HwNm_M_f32	1.18840003
PullCmp_STOppSignTime_mS_M_u32	1423
PullCmp_STStepSize_HwNm_M_f32	19070.0879
PullCmp_VehSpdRate_KphpS_M_f32	2180.22192
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.240548387
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.63940001
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.877699971
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	297.391693
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-5.31890011
target_ActivePull_Per1_HwTorque_HwNm_f32.value	9.1718998
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.61210012
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	279.01001
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-76.7530975
target_Pim_PullCmpLTComp_HwNm_f32	0.740100026
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	4194022656
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3105808128
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3105808128	3105808128 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.24884176	5.24884176 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.13731956	9.13731956 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3105808128	3105808128 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-18.4628334	-18.4628353 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.35 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.87000003e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-9.42080021
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.95749998
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	1.52000002e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2656
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	224
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-0.957099974
PullCmp_STComp_HwNm_M_f32	-0.659500003
PullCmp_STOppSignTime_mS_M_u32	413
PullCmp_STStepSize_HwNm_M_f32	9263.63086
PullCmp_VehSpdRate_KphpS_M_f32	846.786926
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-36.3209991
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.161023766
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	10
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	51.4779015
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-34.9676018
target_ActivePull_Per1_HwTorque_HwNm_f32.value	9.38440037
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-9.42080021
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	325.929108
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-77.8945999
target_Pim_PullCmpLTComp_HwNm_f32	-0.491699994
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2462032896
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	780019200

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476565	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	780019200	780019200 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4.03226089	4.03226042 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.40907192	8.40907192 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476565	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	413	413 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-43.0153351	-43.0153351 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.36 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.94000004e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.48660004
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.000125655817
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.78119993
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	5.27000011e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1312
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	928
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	1.79170001
PullCmp_STComp_HwNm_M_f32	-3.19350004
PullCmp_STOppSignTime_mS_M_u32	863
PullCmp_STStepSize_HwNm_M_f32	7898.9917
PullCmp_VehSpdRate_KphpS_M_f32	-368.83725
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	55.6467018
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0.892099977
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.491400003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	278.358398
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.474700004
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0.50150001
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.48660004
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	335.890411
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	112.972702
target_Pim_PullCmpLTComp_HwNm_f32	0.397100002
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	116381440
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1211912448
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1211912448	1211912448 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.48635018	-1.48635018 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.43493414	1.4349339 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.148660004	0.148660004 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	863	863 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	96.6571732	96.6571732 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.148660004	0.148660004 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.37 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.32000015e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	3.37420011
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9.13770008
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.262842476
PullCmp_IncGain_Uls_M_f32	5.40000001e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1472
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1872
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-2.52880001
PullCmp_STComp_HwNm_M_f32	1.079
PullCmp_STOppSignTime_mS_M_u32	994
PullCmp_STStepSize_HwNm_M_f32	3089.87573
PullCmp_VehSpdRate_KphpS_M_f32	2955.50977
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	121.930298
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.374070466
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.23939991
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.757200003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-490.38681
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	6.84649992
target_ActivePull_Per1_HwTorque_HwNm_f32.value	8.57400036
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.37420011
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	77.8503036
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	47.4799004
target_Pim_PullCmpLTComp_HwNm_f32	3.3375001
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3739958784
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4251832320
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4251832320	4251832320 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	7.0940876	7.09408712 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.48231268	-4.48231316 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	4251832320	4251832320 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	94.0806046	94.0806046 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.38 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.23999996e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.23889995
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.390457004
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.5999999
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.641212404
PullCmp_IncGain_Uls_M_f32	4.13999987e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1120
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2592
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	-0.0626000017
PullCmp_STOppSignTime_mS_M_u32	756
PullCmp_STStepSize_HwNm_M_f32	7974.50928
PullCmp_VehSpdRate_KphpS_M_f32	976.982544
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	125.301804
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.208346322
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-0.234999999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.794499993
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1179.77856
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-36.9273987
target_ActivePull_Per1_HwTorque_HwNm_f32.value	2.02250004
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.23889995
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	352.439301
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	93.3186035
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3914664192
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2257933056
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2257933056	2257933056 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.54486203	1.54486203 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.364004374	0.364004374 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	756	756 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	118.638222	118.638222 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.39 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.20000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-10
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.52128309
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	4.13999987e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	800
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	128
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-1.06280005
PullCmp_STComp_HwNm_M_f32	-0.727599978
PullCmp_STOppSignTime_mS_M_u32	377
PullCmp_STStepSize_HwNm_M_f32	10698.1855
PullCmp_VehSpdRate_KphpS_M_f32	2732.21021
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	6.33710003
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-9.32719994
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	778.636475
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-6.94250011
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.13390005
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.266205
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-89.3407974
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2198054912
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3773483520
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3773483520	3773483520 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-5.37825203	-5.37825203 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.03491449	2.03491426 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	1	1 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3773483520	3773483520 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-62.109951	-62.1099548 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	1	1 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
CalcIntGain_f32	1	CalcIntGain_f32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔

Test Step 2.40 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	2.66000006e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.84040022
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.294300854
PullCmp_IncGain_Uls_M_f32	2.06999994e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2592
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	160
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.28550005
PullCmp_STComp_HwNm_M_f32	1.72389996
PullCmp_STOppSignTime_mS_M_u32	1425
PullCmp_STStepSize_HwNm_M_f32	4147.11133
PullCmp_VehSpdRate_KphpS_M_f32	1703.02661
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-32.854599
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.184165657
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.06739998
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.540700018
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	219.109406
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-31.9487991
target_ActivePull_Per1_HwTorque_HwNm_f32.value	7.20590019
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	395.004303
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-83.7450027
target_Pim_PullCmpLTComp_HwNm_f32	-2.6644001
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	993250048
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	545678592
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	545678592	545678592 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.00112724	8.00112724 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.53656864	5.53656864 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1425	1425 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-42.2268639	-42.2268639 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.41 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.07000009e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.1244998
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.80929995
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	2.04999997e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1744
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1808
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	1.43739998
PullCmp_STOppSignTime_mS_M_u32	734
PullCmp_STStepSize_HwNm_M_f32	17690.4102
PullCmp_VehSpdRate_KphpS_M_f32	-3447.23413
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	100.7006
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-7.10860014
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-196.575195
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-29.5876999
target_ActivePull_Per1_HwTorque_HwNm_f32.value	5.26179981
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	5.1244998
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.133698
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-54.9476013
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1928290816
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3856634880
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3856634880	3856634880 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.22272301	5.22272301 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.11085939	2.11085916 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3856634880	3856634880 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-10.6486282	-10.6486349 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
CalcIntGain_f32	1	CalcIntGain_f32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔

Test Step 2.42 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	4.35000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.85360003
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.612502098
PullCmp_IncGain_Uls_M_f32	5.27000011e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1728
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1008
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	3.80029988
PullCmp_STComp_HwNm_M_f32	0.780200005
PullCmp_STOppSignTime_mS_M_u32	519
PullCmp_STStepSize_HwNm_M_f32	19141.4727
PullCmp_VehSpdRate_KphpS_M_f32	2859.92041
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	85.6764984
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	3.73769999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.419400007
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	670.454529
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-15.2601995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	8.80620003
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	76.7143021
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-112.406403
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3671629056
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3109029632
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3109029632	3109029632 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.29987144	6.29987144 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.12555838	3.12555814 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3109029632	3109029632 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-56.0301208	-56.0301132 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.43 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.82999993e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-6.35200024
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.94740009
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	4.1700001e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2000
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1312
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	1.45930004
PullCmp_STComp_HwNm_M_f32	2.23950005
PullCmp_STOppSignTime_mS_M_u32	648
PullCmp_STStepSize_HwNm_M_f32	17301.8379
PullCmp_VehSpdRate_KphpS_M_f32	509.528137
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-14.4844999
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.629425943
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-6.7821002
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.157399997
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-970.638123
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	42
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-6.77600002
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-6.35200024
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	154.066101
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-41.8930016
target_Pim_PullCmpLTComp_HwNm_f32	-0.562099993
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3855150080
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3297422848

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3297422848	3297422848 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-6.65532541	-6.65532541 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4394083	-3.4394083 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.635200024	0.635200024 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	648	648 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-31.7361221	-31.7361202 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.635200024	0.635200024 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
CalcIntGain_f32	1	CalcIntGain_f32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	

Test Step 2.44 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	2.20000002e-005	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-5.61320019	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.292627692	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.9520998	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.200488806	
PullCmp_IncGain_Uls_M_f32	2.16999997e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1360	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2304	
PullCmp_ResetPer1_Cnt_M_lgc	0	
PullCmp_SComSTCompSet_Cnt_M_lgc	0	
PullCmp_SComSTComp_HwNm_M_f32	4	
PullCmp_STComp_HwNm_M_f32	2.83229995	
PullCmp_STOppSignTime_mS_M_u32	1375	
PullCmp_STStepSize_HwNm_M_f32	0	
PullCmp_VehSpdRate_KphpS_M_f32	2332.89038	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	105.995003	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-9.09280014
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.391099989
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1178.56995
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	1.60039997
target_ActivePull_Per1_HwTorque_HwNm_f32.value	8.77929974
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-5.61320019
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	235.135696
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-8.76420021
target_Pim_PullCmpLTComp_HwNm_f32	0.708100021
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1051073280
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	141899008
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	141899008	141899008 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.40155602	-1.40155602 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.3971529	-5.39715242 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	1.26942003	1.26942003 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	141899008	141899008 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	23.8973694	23.8973656 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	1.26942003	1.26942003 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.45 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.25999993e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.94070005
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.89950001
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.161723629
PullCmp_IncGain_Uls_M_f32	1.77000002e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1984
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2224
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-1.88779998
PullCmp_STComp_HwNm_M_f32	-1.84389997
PullCmp_STOppSignTime_mS_M_u32	770
PullCmp_STStepSize_HwNm_M_f32	20000
PullCmp_VehSpdRate_KphpS_M_f32	3815.53638
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-87.7661972
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-0.367199987
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.6523
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1283.45117
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-8.29679966
target_ActivePull_Per1_HwTorque_HwNm_f32.value	8.19089985
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	6.94070005
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	465.239594
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	107.263199
target_Pim_PullCmpLTComp_HwNm_f32	-3.96589994
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3587731968
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	760423424

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	760423424	760423424 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	7.8350811	7.8350811 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.267643929	-0.267643899 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.694070041	-0.694069982 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	770	770 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	51.7559586	51.75597 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.694070041	-0.694069982 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.46 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.40000006e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.22899997
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.619205296
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	3.88000008e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	768
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2336
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	0.434199989
PullCmp_STComp_HwNm_M_f32	1.49230003
PullCmp_STOppSignTime_mS_M_u32	1039
PullCmp_STStepSize_HwNm_M_f32	4146.46631
PullCmp_VehSpdRate_KphpS_M_f32	4080.71191
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-33.169899
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	5.51859999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.826499999
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	442.471313
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-19.9484005
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.92929995
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.22899997
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	86.8964996
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-73.498703
target_Pim_PullCmpLTComp_HwNm_f32	1.84239995
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1784507648
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3845478144
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNr	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3845478144	3845478144 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.726636052	-0.726636112 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.46589279	1.46589279 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.122900002	-0.122900002 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1039	1039 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-62.0207405	-62.0207367 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.122900002	-0.122900002 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.47 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.23999996e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4.19000006
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	2.06999994e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1744
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1024
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.24530005
PullCmp_STComp_HwNm_M_f32	3.14520001
PullCmp_STOppSignTime_mS_M_u32	471
PullCmp_STStepSize_HwNm_M_f32	17232.2813
PullCmp_VehSpdRate_KphpS_M_f32	-5110
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	127.9375
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-4.08620024
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1270.14246
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	20.7404995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-4.30849981
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4.19000006
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	313.981598
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	45.972599
target_Pim_PullCmpLTComp_HwNm_f32	3.99670005
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2462032896
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	780019200
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	780019200	780019200 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.88974571	-1.88974571 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.236164093	-0.236164168 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.419	-0.419 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	780019200	780019200 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	69.3005905	69.3005905 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.419	-0.419 ± 0.00048828125	✔

Test Step Call Trace			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.48 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	2.20000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.95950031
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.0272379816
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.30919981
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	2.04999997e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1728
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	224
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	3.46580005
PullCmp_STComp_HwNm_M_f32	2.98740005
PullCmp_STOppSignTime_mS_M_u32	1160
PullCmp_STStepSize_HwNm_M_f32	13075.3018
PullCmp_VehSpdRate_KphpS_M_f32	5110
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	36.4519997
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.0272890665
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-1.26750004
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.149900004
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-541.638428
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	24.3047009
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-0.27759999
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	8.95950031
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	186.951797
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	45.783699
target_Pim_PullCmpLTComp_HwNm_f32	-1.01670003
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	116381440
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1211912448
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1211912448	1211912448 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.70790005	8.70790005 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.5970664	1.59706616 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.895950019	-0.895950019 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1160	1160 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	36.7066536	36.7066536 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.895950019	-0.895950019 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.49 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.66000006e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.61210012
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.05039978
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	5.27000011e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2000
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2304
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	2.95790005
PullCmp_STComp_HwNm_M_f32	1.18840003
PullCmp_STOppSignTime_mS_M_u32	856
PullCmp_STStepSize_HwNm_M_f32	19070.0879
PullCmp_VehSpdRate_KphpS_M_f32	1432.43628
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.240548387
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.63940001
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.877699971
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	297.391693
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-5.31890011
target_ActivePull_Per1_HwTorque_HwNm_f32.value	9.1718998
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.61210012
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	279.01001
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-76.7530975
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3739958784
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4251832320
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.000000014901116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4251832320	4251832320 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.24884176	5.24884176 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.13731956	9.13731956 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.000000014901116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	4251832320	4251832320 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-18.4628334	-18.4628353 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.50 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.07000009e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-9.42080021
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.95749998
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	4.1700001e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	176
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2224
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-0.957099974
PullCmp_STComp_HwNm_M_f32	-0.659500003
PullCmp_STOppSignTime_mS_M_u32	111
PullCmp_STStepSize_HwNm_M_f32	9263.63086
PullCmp_VehSpdRate_KphpS_M_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-36.3209991
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.161023766
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	10
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	51.4779015
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-34.9676018
target_ActivePull_Per1_HwTorque_HwNm_f32.value	9.38440037
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-9.42080021
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	325.929108
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-77.8945999
target_Pim_PullCmpLTComp_HwNm_f32	0.71420002
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3914664192
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2257933056
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2257933056	2257933056 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4.03226089	4.03226042 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.40907192	8.40907192 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	111	111 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-43.0153351	-43.0153351 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.51 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.35000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.48660004
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.000125655817
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.78119993
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	2.44000003e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	880
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2336
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	1.79170001
PullCmp_STComp_HwNm_M_f32	-3.19350004
PullCmp_STOppSignTime_mS_M_u32	243
PullCmp_STStepSize_HwNm_M_f32	7898.9917
PullCmp_VehSpdRate_KphpS_M_f32	-3523.76953
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	55.6467018
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0.892099977
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.491400003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	278.358398
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.474700004
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0.50150001
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.48660004
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	335.890411
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	112.972702
target_Pim_PullCmpLTComp_HwNm_f32	-2.30320001
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2198054912
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3773483520
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN|	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3773483520	3773483520 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.48635018	-1.48635018 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.43493414	1.4349339 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.148660004	0.148660004 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	243	243 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	96.6571732	96.6571732 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.148660004	0.148660004 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
CalcIntGain_f32	1	CalcIntGain_f32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔

Test Step 2.52 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	1.82999993e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	3.37420011
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9.13770008
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.262842476
PullCmp_IncGain_Uls_M_f32	1.47000001e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1360
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	0
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-2.52880001
PullCmp_STComp_HwNm_M_f32	1.079
PullCmp_STOppSignTime_mS_M_u32	489
PullCmp_STStepSize_HwNm_M_f32	3089.87573
PullCmp_VehSpdRate_KphpS_M_f32	2732.21021
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	121.930298
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.374070466
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000

Name	Input Value
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.23939991
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.757200003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-490.38681
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	6.84649992
target_ActivePull_Per1_HwTorque_HwNm_f32.value	8.57400036
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.37420011
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	77.8503036
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	47.4799004
target_Pim_PullCmpLTComp_HwNm_f32	1.07739997
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	993250048
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	545678592
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	545678592	545678592 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	7.0940876	7.09408712 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.48231268	-4.48231316 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	545678592	545678592 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	94.0806046	94.0806046 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.53 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.56999995e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.23889995
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.390457004
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.5999999
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.641212404
PullCmp_IncGain_Uls_M_f32	2.16999997e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1984
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3200
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	-0.0626000017
PullCmp_STOppSignTime_mS_M_u32	372
PullCmp_STStepSize_HwNm_M_f32	7974.50928
PullCmp_VehSpdRate_KphpS_M_f32	1703.02661
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	125.301804
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.208346322
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-0.234999999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.794499993
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1179.77856
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-36.9273987
target_ActivePull_Per1_HwTorque_HwNm_f32.value	2.02250004
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.23889995
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	352.439301
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	93.3186035
target_Pim_PullCmpLTComp_HwNm_f32	-1.87769997
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1928290816
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3856634880

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3856634880	3856634880 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.54486203	1.54486203 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.364004374	0.364004374 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	372	372 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	118.638222	118.638222 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
CalcIntGain_f32	1	CalcIntGain_f32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔

Test Step 2.54 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	4.99000016e-005	
PullCmp_EnableLearn_Cnt_M_lgc	0	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-10	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.52128309	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_IncGain_Uls_M_f32	1.77000002e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	768	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2144	
PullCmp_ResetPer1_Cnt_M_lgc	0	
PullCmp_SComSTCompSet_Cnt_M_lgc	0	
PullCmp_SComSTComp_HwNm_M_f32	-1.06280005	
PullCmp_STComp_HwNm_M_f32	-0.727599978	
PullCmp_STOppSignTime_mS_M_u32	267	
PullCmp_STStepSize_HwNm_M_f32	10698.1855	
PullCmp_VehSpdRate_KphpS_M_f32	-3447.23413	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	6.33710003	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-9.32719994
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	778.636475
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-6.94250011
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.13390005
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.266205
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-89.3407974
target_Pim_PullCmpLTComp_HwNm_f32	0.614799976
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3671629056
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3109029632
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611919384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3109029632	3109029632 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-5.37825203	-5.37825203 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.03491449	2.03491426 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611919384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	1	1 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3109029632	3109029632 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-62.109951	-62.1099548 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	1	1 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.55 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.20000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.84040022
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.294300854
PullCmp_IncGain_Uls_M_f32	3.88000008e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	0
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3088
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.28550005
PullCmp_STComp_HwNm_M_f32	1.72389996
PullCmp_STOppSignTime_mS_M_u32	837
PullCmp_STStepSize_HwNm_M_f32	4147.11133
PullCmp_VehSpdRate_KphpS_M_f32	2859.92041
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-32.854599
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.184165657
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.06739998
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.540700018
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	219.109406
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-31.9487991
target_ActivePull_Per1_HwTorque_HwNm_f32.value	7.20590019
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	395.004303
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-83.7450027
target_Pim_PullCmpLTComp_HwNm_f32	2.69260001
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3855150080
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3297422848

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3297422848	3297422848 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.00112724	8.00112724 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.53656864	5.53656864 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	837	837 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-42.2268639	-42.2268639 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.56 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	2.25999993e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.1244998
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.80929995
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	5.40000001e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	3200
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	16
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	1.43739998
PullCmp_STOppSignTime_mS_M_u32	1288
PullCmp_STStepSize_HwNm_M_f32	17690.4102
PullCmp_VehSpdRate_KphpS_M_f32	509.528137
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	100.7006
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-7.10860014
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-196.575195
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-29.5876999
target_ActivePull_Per1_HwTorque_HwNm_f32.value	5.26179981
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	5.1244998
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.133698
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-54.9476013
target_Pim_PullCmpLTComp_HwNm_f32	-3.51929998
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2809360384
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4251046400
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4251046400	4251046400 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.22272301	5.22272301 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.11085939	2.11085916 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	4251046400	4251046400 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-10.6486282	-10.6486349 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f!	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1363234048	1363234048 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.29987144	6.29987144 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.12555838	3.12555814 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1363234048	1363234048 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-56.0301208	-56.0301132 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.58 (Repeat Count = 1)   ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.07000009e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-6.35200024
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.94740009
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	1.35e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1120
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	224
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	1.45930004
PullCmp_STComp_HwNm_M_f32	2.23950005
PullCmp_STOppSignTime_mS_M_u32	69
PullCmp_STStepSize_HwNm_M_f32	17301.8379
PullCmp_VehSpdRate_KphpS_M_f32	3910.15918
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-14.4844999
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.629425943
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10

Name	Input Value
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-6.7821002
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.157399997
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-970.638123
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	42
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-6.77600002
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-6.35200024
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	154.066101
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-41.8930016
target_Pim_PullCmpLTComp_HwNm_f32	0.0305000003
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim	141899008
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562 5	✔
PullCmp_EnableLearn_Cnt_M_lgc	0	0	✔
PullCmp_EnableTime_mS_M_u32	141899008	141899008 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-6.65532541	-6.65532541 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4394083	-3.4394083 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562 5	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.635200024	0.635200024 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	69	69 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-31.7361221	-31.7361202 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.635200024	0.635200024 ± 0.00048828125	✔

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 2.59 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.35000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-2.40249991
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.32620001
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	0.000539999979
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	800
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	928
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.52390003
PullCmp_STComp_HwNm_M_f32	2.56890011
PullCmp_STOppSignTime_mS_M_u32	175
PullCmp_STStepSize_HwNm_M_f32	15393.4834
PullCmp_VehSpdRate_KphpS_M_f32	2332.89038
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-71.8328018
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.131109506
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.92309999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1300.64355
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-2.04889989
target_ActivePull_Per1_HwTorque_HwNm_f32.value	7.50180006
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-2.40249991
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	487.360199
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	80.2320023
target_Pim_PullCmpLTComp_HwNm_f32	0.64230001
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	760423424
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	0	0	✔
PullCmp_EnableTime_mS_M_u32	760423424	760423424 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4.68294144	4.68294144 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.31338406	6.31338453 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	175	175 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-51.8956604	-51.8956604 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.60 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.82999993e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.02829981
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.7565999
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.147781149
PullCmp_IncGain_Uls_M_f32	3.40000006e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2592
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1872
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	3.4756
PullCmp_STOppSignTime_mS_M_u32	1054
PullCmp_STStepSize_HwNm_M_f32	14837.8486
PullCmp_VehSpdRate_KphpS_M_f32	3815.53638
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	9.07730007
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.523970485
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000

Name	Input Value
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	4.7505002
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.463200003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-445.123688
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-36.6272011
target_ActivePull_Per1_HwTorque_HwNm_f32.value	6.32870007
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.02829981
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	434.97229
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-99.0487976
target_Pim_PullCmpLTComp_HwNm_f32	-1.70790005
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3845478144
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	0	0	✔
PullCmp_EnableTime_mS_M_u32	3845478144	3845478144 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	3.38099909	3.38099885 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.11840153	-3.11840153 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.402829975	0.402830005 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3845478144	3845478144 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-47.5775833	-47.5775833 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.402829975	0.402830005 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.61 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.35e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-5.61320019
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.292627692
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	2.06999994e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1744
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2592
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	2.83229995
PullCmp_STOppSignTime_mS_M_u32	311
PullCmp_STStepSize_HwNm_M_f32	17690.4102
PullCmp_VehSpdRate_KphpS_M_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.4562998
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.00150000001
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-5.61320019
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	86.8964996
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	1.82430005
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3671629056
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3109029632

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNl	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476525	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3109029632	3109029632 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-3.97062254	-3.9706223 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476525	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	1.56132007	1.56132007 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3109029632	3109029632 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	1.56132007	1.56132007 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.62 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	0.000539999979
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.94070005
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	2.04999997e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1728
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	128
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-1.88779998
PullCmp_STComp_HwNm_M_f32	-1.84389997
PullCmp_STOppSignTime_mS_M_u32	100
PullCmp_STStepSize_HwNm_M_f32	19141.4727
PullCmp_VehSpdRate_KphpS_M_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10

Name	Input Value
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.4562998
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.00150000001
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	6.94070005
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	86.8964996
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-1.02960002
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3855150080
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim	3297422848
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011616119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3297422848	3297422848 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.97538948	1.9753896 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011616119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-1.6940701	-1.69406998 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	100	100 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-1.6940701	-1.69406998 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 2.63 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	5.40000001e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.22899997
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.619205296
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	5.27000011e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2000
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	160
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	0.434199989
PullCmp_STComp_HwNm_M_f32	1.49230003
PullCmp_STOppSignTime_mS_M_u32	291
PullCmp_STStepSize_HwNm_M_f32	17301.8379
PullCmp_VehSpdRate_KphpS_M_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.4562998
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.00150000001
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.22899997
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	86.8964996
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	1.74160004
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2809360384
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4251046400
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4251046400	4251046400 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.467996657	0.467996687 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.311328053	0.311328053 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	4251046400	4251046400 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.311328053	0.311328053 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Case 3: PRM Range Test ✔

Specification

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

TS3.1 117.00 Cycles
TS3.2 3354.00 Cycles
TS3.3 3041.00 Cycles
TS3.4 3611.00 Cycles
TS3.5 3571.00 Cycles
TS3.6 3218.00 Cycles
TS3.7 3516.00 Cycles
TS3.8 3393.00 Cycles
TS3.9 3336.00 Cycles
TS3.10 3493.00 Cycles
TS3.11 2999.00 Cycles
TS3.12 3339.00 Cycles
TS3.13 3167.00 Cycles
TS3.14 3093.00 Cycles
TS3.15 2903.00 Cycles
TS3.16 3345.00 Cycles
TS3.17 3328.00 Cycles
TS3.18 3242.00 Cycles
TS3.19 3626.00 Cycles
TS3.20 3616.00 Cycles
TS3.21 3350.00 Cycles
TS3.22 3353.00 Cycles
TS3.23 3230.00 Cycles
TS3.24 3226.00 Cycles
TS3.25 3077.00 Cycles
TS3.26 3525.00 Cycles
TS3.27 3023.00 Cycles
TS3.28 3739.00 Cycles
TS3.29 2921.00 Cycles
TS3.30 3387.00 Cycles
TS3.31 3356.00 Cycles
TS3.32 3156.00 Cycles
TS3.33 2897.00 Cycles
TS3.34 2917.00 Cycles
TS3.35 3511.00 Cycles
TS3.36 3146.00 Cycles
TS3.37 3415.00 Cycles
TS3.38 3024.00 Cycles
TS3.39 3579.00 Cycles
TS3.40 135.00 Cycles
TS3.41 3158.00 Cycles
TS3.42 3120.00 Cycles
TS3.43 3017.00 Cycles
TS3.44 3483.00 Cycles
TS3.45 3068.00 Cycles
TS3.46 3244.00 Cycles
TS3.47 2960.00 Cycles
TS3.48 3350.00 Cycles
TS3.49 3390.00 Cycles
TS3.50 3539.00 Cycles
TS3.51 2920.00 Cycles
TS3.52 3131.00 Cycles
TS3.53 3551.00 Cycles
TS3.54 2938.00 Cycles
TS3.55 2917.00 Cycles
TS3.56 3341.00 Cycles
TS3.57 2917.00 Cycles
TS3.58 2917.00 Cycles
TS3.59 3219.00 Cycles
TS3.60 3192.00 Cycles
TS3.61 2921.00 Cycles
TS3.62 3392.00 Cycles
TS3.63 3527.00 Cycles
TS3.64 2918.00 Cycles
TS3.65 2932.00 Cycles
TS3.66 3341.00 Cycles
TS3.67 3177.00 Cycles
TS3.68 3560.00 Cycles
TS3.69 2921.00 Cycles
TS3.70 3376.00 Cycles
TS3.71 3362.00 Cycles
TS3.72 3168.00 Cycles
TS3.73 3651.00 Cycles
TS3.74 3111.00 Cycles
TS3.75 3374.00 Cycles
TS3.76 3061.00 Cycles
TS3.77 3144.00 Cycles
TS3.78 3343.00 Cycles
TS3.79 2904.00 Cycles
TS3.80 3569.00 Cycles
TS3.81 3021.00 Cycles
TS3.82 3471.00 Cycles
TS3.83 3531.00 Cycles
TS3.84 3133.00 Cycles
TS3.85 3397.00 Cycles
```

Description   Vector Description:

```
TS3.1k_STResetHwTrq_HwNm_f32==>Min
TS3.2k_STResetHwTrq_HwNm_f32==>Max
TS3.3k_STResetHwTrq_HwNm_f32==>Pos
TS3.4k_STResetHwTrq_HwNm_f32==>Default
TS3.5k_STResetHwPos_HwDeg_f32==>Min
TS3.6k_STResetHwPos_HwDeg_f32==>Max
TS3.7k_STResetHwPos_HwDeg_f32==>Pos
TS3.8k_STResetHwPos_HwDeg_f32==>Default
TS3.9k_STResetYawRate_DegpS_f32==>Min
TS3.10k_STResetYawRate_DegpS_f32==>Max
TS3.11k_STResetYawRate_DegpS_f32==>Pos
TS3.12k_STResetYawRate_DegpS_f32==>Default
TS3.13k_STResetLatAcc_MpSecSq_f32==>Min
TS3.14k_STResetLatAcc_MpSecSq_f32==>Max
TS3.15k_STResetLatAcc_MpSecSq_f32==>Pos
TS3.16k_STResetLatAcc_MpSecSq_f32==>Default
TS3.17k_EnableHwTrqMax_HwNm_f32==>Min
TS3.18k_EnableHwTrqMax_HwNm_f32==>Max
TS3.19k_EnableHwTrqMax_HwNm_f32==>Pos
TS3.20k_EnableHwTrqMax_HwNm_f32==>Default
TS3.21k_EnableHwPosMax_HwDeg_f32==>Min
TS3.22k_EnableHwPosMax_HwDeg_f32==>Max
TS3.23k_EnableHwPosMax_HwDeg_f32==>Pos
TS3.24k_EnableHwPosMax_HwDeg_f32==>Default
TS3.25k_EnableYawRateMax_DegpS_f32==>Min
TS3.26k_EnableYawRateMax_DegpS_f32==>Max
TS3.27k_EnableYawRateMax_DegpS_f32==>Pos
TS3.28k_EnableYawRateMax_DegpS_f32==>Default
TS3.29k_EnableLatAccMax_MpSecSq_f32==>Min
TS3.30k_EnableLatAccMax_MpSecSq_f32==>Max
TS3.31k_EnableLatAccMax_MpSecSq_f32==>Pos
TS3.32k_EnableLatAccMax_MpSecSq_f32==>Default
TS3.33k_EnableHwAuthMin_Uls_f32==>Min
TS3.34k_EnableHwAuthMin_Uls_f32==>Max/Default
TS3.35k_EnableHwAuthMin_Uls_f32==>Pos
TS3.36k_EnableVehSpdMin_Kph_f32==>Min
TS3.37k_EnableVehSpdMin_Kph_f32==>Max
TS3.38k_EnableVehSpdMin_Kph_f32==>Pos
TS3.39k_EnableVehSpdMin_Kph_f32==>Default
TS3.40k_EnableVehSpdMax_Kph_f32==>Min
TS3.41k_EnableVehSpdMax_Kph_f32==>Max
TS3.42k_EnableVehSpdMax_Kph_f32==>Pos
TS3.43k_EnableVehSpdMax_Kph_f32==>Default
TS3.44k_EnableHwVelMax_DegpS_f32==>Min
TS3.45k_EnableHwVelMax_DegpS_f32==>Max
TS3.46k_EnableHwVelMax_DegpS_f32==>Pos
TS3.47k_EnableHwVelMax_DegpS_f32==>Default
TS3.48k_EnableVehSpdRateMax_KphpS_f32=>Min
TS3.49k_EnableVehSpdRateMax_KphpS_f32=>Max
TS3.50k_EnableVehSpdRateMax_KphpS_f32=>Pos
TS3.51k_EnableVehSpdRateMax_KphpS_f32=>Def
TS3.52k_EnableTime_mS_u32=>Min
TS3.53k_EnableTime_mS_u32=>Max
TS3.54k_EnableTime_mS_u32=>Pos/Def
TS3.55k_FiltDeadband_HwNm_f32=>Min
TS3.56k_FiltDeadband_HwNm_f32=>Max
TS3.57k_FiltDeadband_HwNm_f32=>Pos
TS3.58k_FiltDeadband_HwNm_f32=>Def
TS3.59k_TotalLimit_HwNm_f32=>Min/Def
TS3.60k_TotalLimit_HwNm_f32=>Max
TS3.61k_TotalLimit_HwNm_f32=>Pos
TS3.62k_STIntInputLimit_HwNm_f32=>Min
TS3.63k_STIntInputLimit_HwNm_f32=>Max
TS3.64k_STIntInputLimit_HwNm_f32=>Pos
TS3.65k_STIntInputLimit_HwNm_f32=>Def
TS3.66k_PullCmp_STIntgtrStCorrnGain_Uls_f32=>Min
TS3.67k_PullCmp_STIntgtrStCorrnGain_Uls_f32=>Max
TS3.68k_PullCmp_STIntgtrStCorrnGain_Uls_f32=>Pos
TS3.69k_PullCmp_STIntgtrStCorrnGain_Uls_f32=>Def
TS3.70k_STLearnTimeInc_Sec_f32=>Min
TS3.71k_STLearnTimeInc_Sec_f32=>Max
TS3.72k_STLearnTimeInc_Sec_f32=>Pos
TS3.73k_STLearnTimeInc_Sec_f32=>Def
TS3.74k_STLearnTimeDec_Sec_f32=>Min
TS3.75k_STLearnTimeDec_Sec_f32=>Max
TS3.76k_STLearnTimeDec_Sec_f32=>Pos
TS3.77k_STLearnTimeDec_Sec_f32=>Def
TS3.78k_STOppSignTime_mS_u32=>Min
TS3.79k_STOppSignTime_mS_u32=>Max
TS3.80k_STOppSignTime_mS_u32=>Def/Pos
TS3.81k_STLimit_HwNm_f32=>Min
TS3.82k_STLimit_HwNm_f32=>Max
TS3.83k_STLimit_HwNm_f32=>Pos
TS3.84k_STLimit_HwNm_f32=>Def
```

Test Step 3.1 (Repeat Count = 1)   ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.16000008e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.73799992
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444

Name	Input Value
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.23190022
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.315390468
PullCmp_IncGain_Uls_M_f32	2.01000003e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1072
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	112
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-2.50340009
PullCmp_STComp_HwNm_M_f32	-1.92980003
PullCmp_STOppSignTime_mS_M_u32	1012
PullCmp_STStepSize_HwNm_M_f32	10510.7041
PullCmp_VehSpdRate_KphpS_M_f32	4802.01074
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	95.280899
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	0
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.61019993
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-908.741516
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	11.5434999
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-6.7177
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.73799992
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	50.7336998
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-18.5002995
target_Pim_PullCmpLTComp_HwNm_f32	2.12319994
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1030305536
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1215082752
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔

Name	Actual Value	Expected Value	Result
PullCmp_EnableTime_mS_M_u32	1215082752	1215082752 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-6.15425873	-6.15425825 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.38511705	-6.38511705 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0.473800004	0.473800004 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	1215082752	1215082752 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	13.8829193	13.8829165 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.473800004	0.473800004 ± 0.00048828125	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓	
CalcIntGain_f32	1	CalcIntGain_f32	1	✓	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓	

Test Step 3.2 (Repeat Count = 1)		✓
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	2.75999992e-005	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.32119989	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-10	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_IncGain_Uls_M_f32	3.36999983e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2240	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2544	
PullCmp_ResetPer1_Cnt_M_lgc	1	
PullCmp_SComSTCompSet_Cnt_M_lgc	1	
PullCmp_SComSTComp_HwNm_M_f32	-3.25650001	
PullCmp_STComp_HwNm_M_f32	2.93169999	
PullCmp_STOppSignTime_mS_M_u32	1431	
PullCmp_STStepSize_HwNm_M_f32	19711.5254	
PullCmp_VehSpdRate_KphpS_M_f32	-2883.76611	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	87.1158981	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.4319686	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	
k_STLearnTimeInc_Sec_f32	45	
k_STLimit_HwNm_f32	1	
k_STOppSignTime_mS_u32	100	
k_STResetHwPos_HwDeg_f32	45	
k_STResetHwTrq_HwNm_f32	10	
k_STResetLatAcc_MpSecSq_f32	1	
k_STResetYawRate_DegpS_f32	1	
k_TotalLimit_HwNm_f32	0	
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1	

Name	Input Value
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.54250002
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.486299992
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-623.112183
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-0.0361000001
target_ActivePull_Per1_HwTorque_HwNm_f32.value	10
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.32119989
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	337.882904
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	3.93910003
target_Pim_PullCmpLTComp_HwNm_f32	2.96359992
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1493114368
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3059527680
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3059527680	3059527680 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.9240489	5.92404985 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.30780888	4.30780888 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1431	1431 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	51.1861343	51.1861343 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.3 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	1.51000004e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.70109987
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	1.47999999e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	672
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1552
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1

Name	Input Value
PullCmp_SComSTComp_HwNm_M_f32	3.99000001
PullCmp_STComp_HwNm_M_f32	-3.42689991
PullCmp_STOppSignTime_mS_M_u32	132
PullCmp_STStepSize_HwNm_M_f32	7245.31543
PullCmp_VehSpdRate_KphpS_M_f32	973.630615
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	9.59790039
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.348728627
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	5.2342
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	6.10769987
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1385.91736
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.373899996
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-4.23050022
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.70109987
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	398.654205
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-119.054398
target_Pim_PullCmpLTComp_HwNm_f32	-3.53290009
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	580479232
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	793293568
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN|	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.000000014901161938476525	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	793293568	793293568 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.36443758	-4.3644371 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.180363655	-0.180363715 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.000000014901161938476525	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔

Name	Actual Value	Expected Value	Result
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	132	132 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-35.2668381	-35.2668381 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.4 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	4.95999993e-005	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	3.0150001	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.02277763	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.56299996	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_IncGain_Uls_M_f32	4.37999988e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	128	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	656	
PullCmp_ResetPer1_Cnt_M_lgc	1	
PullCmp_SComSTCompSet_Cnt_M_lgc	1	
PullCmp_SComSTComp_HwNm_M_f32	-1.7737	
PullCmp_STComp_HwNm_M_f32	-0.591499984	
PullCmp_STOppSignTime_mS_M_u32	614	
PullCmp_STStepSize_HwNm_M_f32	17986.1211	
PullCmp_VehSpdRate_KphpS_M_f32	367.929779	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-110.2118	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	
k_STLearnTimeInc_Sec_f32	45	
k_STLimit_HwNm_f32	1	
k_STOppSignTime_mS_u32	100	
k_STResetHwPos_HwDeg_f32	45	
k_STResetHwTrq_HwNm_f32	3	
k_STResetLatAcc_MpSecSq_f32	1	
k_STResetYawRate_DegpS_f32	1	
k_TotalLimit_HwNm_f32	0	
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0	
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1	
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	5.01350021	
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.228699997	
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1000.4364	
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-30.6818008	
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-8.76589966	
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1	
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1	

Name	Input Value
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.0150001
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	233.684006
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	40.389801
target_Pim_PullCmpLTComp_HwNm_f32	-1.92980003
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3770058752
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1817225728
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	1817225728	1817225728 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	2.74665904	2.74665904 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.25697708	-5.25697708 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	1817225728	1817225728 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-2.47286224	-2.47285438 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✓
CalcIntGain_f32	1	CalcIntGain_f32		1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✓

Test Step 3.5 (Repeat Count = 1)		✓
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	3.35000004e-005	
PullCmp_EnableLearn_Cnt_M_lgc	0	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.42560005	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798	
PullCmp_IncGain_Uls_M_f32	4.75999987e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2848	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1936	
PullCmp_ResetPer1_Cnt_M_lgc	0	
PullCmp_SComSTCompSet_Cnt_M_lgc	0	
PullCmp_SComSTComp_HwNm_M_f32	0.777400017	
PullCmp_STComp_HwNm_M_f32	-3.6888001	
PullCmp_STOppSignTime_mS_M_u32	1242	
PullCmp_STStepSize_HwNm_M_f32	9484.37109	
PullCmp_VehSpdRate_KphpS_M_f32	-3245.4978	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-58.6716995	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444	

Name	Input Value
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	0
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	4.42929983
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-229.676804
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	40.4000015
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.42560005
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	4.56339979
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	115.353897
target_Pim_PullCmpLTComp_HwNm_f32	1.35720003
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	94055168
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3990144256
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3990144256	3990144256 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.25956798	-1.2595681 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.442560017	0.442560017 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1242	1242 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	65.8245544	65.8245544 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.442560017	0.442560017 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	796161024	796161024 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-2.71494722	-2.71494746 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.953920007	0.953920007 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	796161024	796161024 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-86.7129974	-86.7129974 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.953920007	0.953920007 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
CalcIntGain_f32	1	CalcIntGain_f32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔

Test Step 3.7 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	5.13000014e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.04590034
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	3.04999994e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1472
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3040
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-2.51309991
PullCmp_STComp_HwNm_M_f32	0.364199996
PullCmp_STOppSignTime_mS_M_u32	352
PullCmp_STStepSize_HwNm_M_f32	4268.39111
PullCmp_VehSpdRate_KphpS_M_f32	936.485291
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	127.9375
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	143.928406
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-4.58080006
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	168.892303
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	8.11219978
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	8.04590034
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	313.371613
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	68.0907974
target_Pim_PullCmpLTComp_HwNm_f32	3.02469993
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	4152032512
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3356583680
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3356583680	3356583680 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	2.28994036	2.28994012 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3356583680	3356583680 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	127.862343	127.862343 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.8 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.37000004e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.254999995
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	3.42999992e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2368
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2096
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	3.1566999
PullCmp_STComp_HwNm_M_f32	2.4776001
PullCmp_STOppSignTime_mS_M_u32	1306
PullCmp_STStepSize_HwNm_M_f32	5026.15088
PullCmp_VehSpdRate_KphpS_M_f32	3047.09253
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-58.5340004
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	1.54429996
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	810.141785
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	15.9336004
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-0.254999995
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	442.156708
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-109.357201
target_Pim_PullCmpLTComp_HwNm_f32	-2.4052
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2779340544
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1443043584

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1443043584	1443043584 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.072575435	-0.072575435 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1443043584	1443043584 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-94.8924332	-94.8924332 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.9 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.59000005e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.396083593
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	1.35999999e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2416
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	32
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	0.0260000005
PullCmp_STOppSignTime_mS_M_u32	1368
PullCmp_STStepSize_HwNm_M_f32	19031.7617
PullCmp_VehSpdRate_KphpS_M_f32	4011.0835
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-91.1958008
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.0456999987
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10

Name	Input Value
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	0
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0.691399992
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-32.6870995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	161.270096
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	112.778702
target_Pim_PullCmpLTComp_HwNm_f32	1.44089997
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3000935936
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim	1228503040
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1228503040	1228503040 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.03916407	6.03916407 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1228503040	1228503040 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-81.8741684	-81.8741684 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.10 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.53000001e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-2.74250007
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	4.04999992e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2640
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2128
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.5151999
PullCmp_STComp_HwNm_M_f32	-0.34740001
PullCmp_STOppSignTime_mS_M_u32	1492
PullCmp_STStepSik	_ .34740001

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1196667392	1196667392 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.780541778	-0.780541718 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.274250001	0.274250001 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1492	1492 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-9.86545563	-9.86545658 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.274250001	0.274250001 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.11 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.65000012e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4.19000006
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	5.31000005e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	672
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3088
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.24530005
PullCmp_STComp_HwNm_M_f32	3.14520001
PullCmp_STOppSignTime_mS_M_u32	659
PullCmp_STStepSize_HwNm_M_f32	17232.2813
PullCmp_VehSpdRate_KphpS_M_f32	1690.72046
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	127.9375
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	65.2341995
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-4.08620024
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	20.7404995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4.19000006
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	313.981598
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	45.972599
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	644338432
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	317435136
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f;	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	317435136	317435136 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.19251394	1.19251406 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.419	-0.419 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	659	659 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	69.3005905	69.3005905 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.419	-0.419 ± 0.00048828125	✔

Test Step Call Trace			✔
Actual Function	**Count**	**Expected Function**	**Count**

Test Step Call Trace			✔
Actual Function	**Count**	**Expected Function**	**Count**

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	500153344	500153344 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.71546173	8.71546173 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.895950019	-0.895950019 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	500153344	500153344 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	36.7066536	36.7066536 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.895950019	-0.895950019 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
CalcIntGain_f32	1	CalcIntGain_f32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔

Test Step 3.13 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	3.55999982e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.61210012
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	4.51000014e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2784
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3056
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	2.95790005
PullCmp_STComp_HwNm_M_f32	1.18840003
PullCmp_STOppSignTime_mS_M_u32	1344
PullCmp_STStepSize_HwNm_M_f32	19070.0879
PullCmp_VehSpdRate_KphpS_M_f32	2180.22192
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	0
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.63940001
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.877699971
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-5.31890011
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.61210012
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	279.01001
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	0.740100026
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3531571968
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	471260416
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	471260416	471260416 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.31264782	-1.31264782 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	471260416	471260416 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.14 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.87000003e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-9.42080021
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	1.52000002e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2656
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	224
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-0.957099974
PullCmp_STComp_HwNm_M_f32	-0.659500003
PullCmp_STOppSignTime_mS_M_u32	577
PullCmp_STStepSize_HwNm_M_f32	9263.63086
PullCmp_VehSpdRate_KphpS_M_f32	846.786926
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	10
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	10
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-34.9676018
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-9.42080021
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	325.929108
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-0.491699994
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2716613120
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3943574528

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3943574528	3943574528 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-2.68124962	-2.68124986 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	577	577 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.15 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	3.52999996e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-6.94080019
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	2.23999996e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1632
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	128
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	1.57749999
PullCmp_STComp_HwNm_M_f32	2.5559001
PullCmp_STOppSignTime_mS_M_u32	1180
PullCmp_STStepSize_HwNm_M_f32	14404.1494
PullCmp_VehSpdRate_KphpS_M_f32	2654.1731
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	4.95830011
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-3.56080008
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.660600007
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	13.2515001
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-6.94080019
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	239.069595
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-10
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	4014085376
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1109671680
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476 5625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1109671680	1109671680 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.97541809	-1.97541809 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476 5625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	1.69408011	1.69408 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1109671680	1109671680 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	1.69408011	1.69408 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.16 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.11000003e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.63090003
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	2.20000002e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1808
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1296
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-2.50970006
PullCmp_STComp_HwNm_M_f32	2.71479988
PullCmp_STOppSignTime_mS_M_u32	957
PullCmp_STStepSize_HwNm_M_f32	17590.9961
PullCmp_VehSpdRate_KphpS_M_f32	3894.74951
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	7.89849997
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	10.1912003
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.63090003
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	506.343903
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	10
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3042951168
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1188733440

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNr	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	1188733440	1188733440 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.464169741	-0.464169741 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	957	957 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 3.17 (Repeat Count = 1)	✓
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	3.06000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-2.32979989
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.209800929
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	2.66000006e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	896
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	176
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-1.78199995
PullCmp_STComp_HwNm_M_f32	-2.55909991
PullCmp_STOppSignTime_mS_M_u32	1139
PullCmp_STStepSize_HwNm_M_f32	13678.9316
PullCmp_VehSpdRate_KphpS_M_f32	-4396.61035
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	0
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.518100023
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	3.32559991
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-2.32979989
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	220.864899
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	2.34200001
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3531571968
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	471260416
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	471260416	471260416 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.84100568	-1.84100568 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1139	1139 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.18 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.81999996e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	3.07000009e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1328
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	992
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	0.824199975
PullCmp_STComp_HwNm_M_f32	2.34150004
PullCmp_STOppSignTime_mS_M_u32	1195
PullCmp_STStepSize_HwNm_M_f32	12219.8838
PullCmp_VehSpdRate_KphpS_M_f32	-4781.20166
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	10
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.51910001
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-39.5008011
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	392.270691
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	0
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2716613120
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3943574528
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3943574528	3943574528 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	2.84609556	2.84609556 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3943574528	3943574528 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.19 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.56999995e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.44060004
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.570759296
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	4.35000002e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1120
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1936
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.92540002
PullCmp_STComp_HwNm_M_f32	-2.65969992
PullCmp_STOppSignTime_mS_M_u32	687
PullCmp_STStepSize_HwNm_M_f32	4930.18457
PullCmp_VehSpdRate_KphpS_M_f32	5073.27246
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	6.24310017
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.3574
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	18.9354992
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.44060004
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	365.146912
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-2.46320009
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	4014085376
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1109671680
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476565625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1109671680	1109671680 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.618364155	0.618364155 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476565625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-1.14406002	-1.14406002 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	687	687 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-1.14406002	-1.14406002 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.20 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.99000016e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	7.23190022
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	1.82999993e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	3120
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1664
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	2.8039
PullCmp_STComp_HwNm_M_f32	-10
PullCmp_STOppSignTime_mS_M_u32	1447
PullCmp_STStepSize_HwNm_M_f32	15547.499
PullCmp_VehSpdRate_KphpS_M_f32	-2681.3147
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.693899989
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-15.3066998
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	7.23190022
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	105.237099
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	0.0615999997
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1147962368
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3773695488
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3773695488	3773695488 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	2.05826807	2.05826783 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3773695488	3773695488 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.21 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.32000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.310499996
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	3.11000003e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1664
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1904
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	0.112400003
PullCmp_STComp_HwNm_M_f32	10
PullCmp_STOppSignTime_mS_M_u32	461
PullCmp_STStepSize_HwNm_M_f32	16200.8447
PullCmp_VehSpdRate_KphpS_M_f32	-4598.86865
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	0
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.00499999989
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	41.4073982
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.310499996
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	84.8103027
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-3.56220007
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1030305536
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1215082752
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1215082752	1215082752 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.088371262	0.0883712694 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1215082752	1215082752 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.22 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.56000006e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4.15460014
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	4.69000006e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1872
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1056
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-2.11439991
PullCmp_STComp_HwNm_M_f32	3.12420011
PullCmp_STOppSignTime_mS_M_u32	1070
PullCmp_STStepSize_HwNm_M_f32	479.132111
PullCmp_VehSpdRate_KphpS_M_f32	-3153.82373
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	900
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-17.2605991
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4.15460014
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	338.559387
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1493114368
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3059527680

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3059527680	3059527680 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.18243885	1.18243885 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3059527680	3059527680 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.23 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.51000014e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.0702999979
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	3.66999993e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1488
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2912
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-1.09249997
PullCmp_STComp_HwNm_M_f32	0
PullCmp_STOppSignTime_mS_M_u32	1246
PullCmp_STStepSize_HwNm_M_f32	17675.7305
PullCmp_VehSpdRate_KphpS_M_f32	-315.419067
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	456.789612
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10

Name	Input Value
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-10.9919004
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.0702999979
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	503.905792
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-1.51999995
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	580479232
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	793293568
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	793293568	793293568 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.0200080499	0.0200080518 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.00702999998	-0.00702999998 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	793293568	793293568 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.00702999998	-0.00702999998 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.24 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.48999998e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-6.08370018
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.144954711
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	4.46999984e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	96
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2464
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-3.49530005
PullCmp_STComp_HwNm_M_f32	-1.34200001
PullCmp_STOppSignTime_mS_M_u32	841
PullCmp_STStepSize_HwNm_M_f32	9739.24121
PullCmp_VehSpdRate_KphpS_M_f32	-2882.31543
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.557200015
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-14.6541996
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-6.08370018
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	396.085388
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	0.223800004
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3770058752
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1817225728

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1817225728	1817225728 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-5.20183897	-5.20183897 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	841	841 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.25 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	1.89999992e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-7.21309996
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	2.54000006e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1200
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1840
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.33850002
PullCmp_STComp_HwNm_M_f32	1.87800002
PullCmp_STOppSignTime_mS_M_u32	178
PullCmp_STStepSize_HwNm_M_f32	1343.72986
PullCmp_VehSpdRate_KphpS_M_f32	-3444.39136
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	0
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-11.9111004
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-7.21309996
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	290.890503
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-0.995199978
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	94055168
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3990144256
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476 5625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3990144256	3990144256 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-2.052917	-2.05291724 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476 5625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.273889959	-0.273889959 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	178	178 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.273889959	-0.273889959 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.26 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.05999999e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.38670015
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	1.63000004e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	432
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1376
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.46659994
PullCmp_STComp_HwNm_M_f32	3.65969992
PullCmp_STOppSignTime_mS_M_u32	767
PullCmp_STStepSize_HwNm_M_f32	6889.38867
PullCmp_VehSpdRate_KphpS_M_f32	4504.56934
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	120
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.809700012
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-21.9717007
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	6.38670015
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	196.443802
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	3.56450009
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1765360128
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	796161024
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476525	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	796161024	796161024 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.81771612	1.81771588 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476525	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	767	767 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.27 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.40999998e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.34040001
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	3.88000008e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2096
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2352
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-3.60220003
PullCmp_STComp_HwNm_M_f32	-0.87620002
PullCmp_STOppSignTime_mS_M_u32	438
PullCmp_STStepSize_HwNm_M_f32	15563.7217
PullCmp_VehSpdRate_KphpS_M_f32	-2995.82471
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000

Name	Input Value
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	53.7685013
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	17.6947002
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-0.34040001
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	391.295013
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	2.36520004
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	4152032512
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3356583680
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	3356583680	3356583680 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.0968810916	-0.096881099 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	438	438 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	0	0	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 3.28 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.75999987e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-5.55000019
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.166753277
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	3.38999998e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	480
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	512
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	3.76430011
PullCmp_STOppSignTime_mS_M_u32	44
PullCmp_STStepSize_HwNm_M_f32	9169.40527
PullCmp_VehSpdRate_KphpS_M_f32	-2065.16992
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.87529999
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-19.2054005
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-5.55000019
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	121.886703
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	3.96090007
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2779340544
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1443043584
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f{	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	1443043584	1443043584 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.62451935	-4.62451935 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	1443043584	1443043584 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	0	0	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 3.29 (Repeat Count = 1)		✓
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	2.20000002e-005	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798	
PullCmp_IncGain_Uls_M_f32	4.13999987e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	624	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	176	
PullCmp_ResetPer1_Cnt_M_lgc	1	
PullCmp_SComSTCompSet_Cnt_M_lgc	1	
PullCmp_SComSTComp_HwNm_M_f32	-10	
PullCmp_STComp_HwNm_M_f32	3.41000009	
PullCmp_STOppSignTime_mS_M_u32	886	
PullCmp_STStepSize_HwNm_M_f32	18712.3984	
PullCmp_VehSpdRate_KphpS_M_f32	-2110.36499	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	

Name	Input Value
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.82130003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	7.03249979
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	312.093597
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-2.13190007
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3000935936
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1228503040
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN|	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1228503040	1228503040 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	2.84609556	2.84609556 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	886	886 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.30 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.25999993e-005
PullCmp_EnableLearn_Cnt_M_lgc	0

Name	Input Value
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	9.93830013
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	2.78000007e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1200
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	768
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	10
PullCmp_STComp_HwNm_M_f32	3.60649991
PullCmp_STOppSignTime_mS_M_u32	647
PullCmp_STStepSize_HwNm_M_f32	5154.55615
PullCmp_VehSpdRate_KphpS_M_f32	1922.35046
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	10
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.678799987
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	42
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	9.93830013
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	95.7721024
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-2.99880004
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3637661696
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1196667392
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1196667392	1196667392 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	2.82853508	2.82853508 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1196667392	1196667392 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
CalcIntGain_f32	1	CalcIntGain_f32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	

Test Step 3.31 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	3.40000006e-005	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	2.93230009	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798	
PullCmp_IncGain_Uls_M_f32	3.92000002e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	304	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2432	
PullCmp_ResetPer1_Cnt_M_lgc	1	
PullCmp_SComSTCompSet_Cnt_M_lgc	1	
PullCmp_SComSTComp_HwNm_M_f32	3.352	
PullCmp_STComp_HwNm_M_f32	2.40350008	
PullCmp_STOppSignTime_mS_M_u32	781	
PullCmp_STStepSize_HwNm_M_f32	9521.33301	
PullCmp_VehSpdRate_KphpS_M_f32	3046.50024	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	7.67850018	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	
k_STLearnTimeInc_Sec_f32	45	
k_STLimit_HwNm_f32	1	
k_STOppSignTime_mS_u32	100	
k_STResetHwPos_HwDeg_f32	45	
k_STResetHwTrq_HwNm_f32	3	
k_STResetLatAcc_MpSecSq_f32	1	
k_STResetYawRate_DegpS_f32	1	

Name	Input Value
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	37.1688995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	2.93230009
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	491.0802
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	0.225199997
target Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32 Elapsed	644338432
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	317435136
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	317435136	317435136 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.834560633	0.834560633 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	317435136	317435136 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	0	0	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 3.32 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.85999992e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.816299975
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.158473283
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	1.99999995e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1968

Name	Input Value
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3056
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	0
PullCmp_STComp_HwNm_M_f32	0.540799975
PullCmp_STOppSignTime_mS_M_u32	1159
PullCmp_STStepSize_HwNm_M_f32	9086.43066
PullCmp_VehSpdRate_KphpS_M_f32	-2302.89941
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.624599993
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-20.7523003
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.816299975
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	418.124695
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-2.87980008
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1802717696
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim	500153344
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	500153344	500153344 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.686938226	0.686938226 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ±	✔

Name	Actual Value	Expected Value	Result
		0.00000001490116119384765625	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.0815887824	-0.0815887824 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	500153344	500153344 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.0815887824	-0.0815887824 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.33 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	3.80999991e-005	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-8.74600029	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798	
PullCmp_IncGain_Uls_M_f32	5.0300001e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2256	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1104	
PullCmp_ResetPer1_Cnt_M_lgc	0	
PullCmp_SComSTCompSet_Cnt_M_lgc	1	
PullCmp_SComSTComp_HwNm_M_f32	-1.352	
PullCmp_STComp_HwNm_M_f32	-0.518400013	
PullCmp_STOppSignTime_mS_M_u32	988	
PullCmp_STStepSize_HwNm_M_f32	1146.29285	
PullCmp_VehSpdRate_KphpS_M_f32	-1404.6626	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	0	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	
k_STLearnTimeInc_Sec_f32	45	
k_STLimit_HwNm_f32	1	
k_STOppSignTime_mS_u32	100	
k_STResetHwPos_HwDeg_f32	45	
k_STResetHwTrq_HwNm_f32	3	
k_STResetLatAcc_MpSecSq_f32	1	
k_STResetYawRate_DegpS_f32	1	
k_TotalLimit_HwNm_f32	0	
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0	
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1	
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0	
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1	
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996	

Name	Input Value
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	26.8549995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-8.74600029
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	338.0849
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-2.5783999
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1122821376
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1679789824
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476 5625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1679789824	1679789824 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-2.48919535	-2.48919535 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476 5625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.125399947	-0.125399992 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	988	988 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.125399947	-0.125399992 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.34 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.35e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.60910034
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.369738966
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	2.85000006e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1408
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2192
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	1.78849995
PullCmp_STOppSignTime_mS_M_u32	565
PullCmp_STStepSize_HwNm_M_f32	6448.93359

Name	Input Value
PullCmp_VehSpdRate_KphpS_M_f32	2382.95166
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	23.4396
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	8.60910034
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	34.9230995
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	0.496100008
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	950801408
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1279006208
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476525	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1279006208	1279006208 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.42598057	5.42598057 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476525	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1279006208	1279006208 ± 1	✔

Name	Actual Value	Expected Value	Result
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	
CalcIntGain_f32	1	CalcIntGain_f32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔	

Test Step 3.35 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	5.40000001e-005	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.273200005	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798	
PullCmp_IncGain_Uls_M_f32	4.65000012e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1344	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2544	
PullCmp_ResetPer1_Cnt_M_lgc	1	
PullCmp_SComSTCompSet_Cnt_M_lgc	0	
PullCmp_SComSTComp_HwNm_M_f32	-0.387800008	
PullCmp_STComp_HwNm_M_f32	-3.08279991	
PullCmp_STOppSignTime_mS_M_u32	396	
PullCmp_STStepSize_HwNm_M_f32	4842.26367	
PullCmp_VehSpdRate_KphpS_M_f32	-3513.17822	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	0.645299971	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	
k_STLearnTimeInc_Sec_f32	45	
k_STLimit_HwNm_f32	1	
k_STOppSignTime_mS_u32	100	
k_STResetHwPos_HwDeg_f32	45	
k_STResetHwTrq_HwNm_f32	3	
k_STResetLatAcc_MpSecSq_f32	1	
k_STResetYawRate_DegpS_f32	1	
k_TotalLimit_HwNm_f32	0	
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0	
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0	
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0	
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1	
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996	
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-7.34590006	
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0	
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1	
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1	
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-0.273200005	
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0	
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	238.252197	

Name	Input Value
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	3.52410007
S mpf3 lu	

target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	3.52410007

Name	Input Value
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	0
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	11.5434999
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.73799992
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	50.7336998
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	2.12319994
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3250269696
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	849035264
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	849035264	849035264 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.34847999	-1.34848011 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.526199996	-0.526199996 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1322	1322 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.526199996	-0.526199996 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.37 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.75999992e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.32119989
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	3.36999983e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2240
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2544
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.25650001
PullCmp_STComp_HwNm_M_f32	2.93169999
PullCmp_STOppSignTime_mS_M_u32	713
PullCmp_STStepSize_HwNm_M_f32	19711.5254
PullCmp_VehSpdRate_KphpS_M_f32	-2883.76611
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	511
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-0.0361000001
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.32119989
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	337.882904
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	2.96359992
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2896509184
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2832007936
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN|	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2832007936	2832007936 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.22985482	-1.22985482 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	713	713 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
CalcIntGain_f32	1	CalcIntGain_f32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔

Test Step 3.38 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	1.51000004e-005	
PullCmp_EnableLearn_Cnt_M_lgc	0	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.70109987	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798	
PullCmp_IncGain_Uls_M_f32	1.47999999e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	672	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1552	
PullCmp_ResetPer1_Cnt_M_lgc	1	
PullCmp_SComSTCompSet_Cnt_M_lgc	1	
PullCmp_SComSTComp_HwNm_M_f32	3.99000001	
PullCmp_STComp_HwNm_M_f32	-3.42689991	
PullCmp_STOppSignTime_mS_M_u32	73	
PullCmp_STStepSize_HwNm_M_f32	7245.31543	
PullCmp_VehSpdRate_KphpS_M_f32	973.630615	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	

Name	Input Value
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	243.456299
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.373899996
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.70109987
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	398.654205
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-3.53290009
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	4124252160
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	889436672
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	889436672	889436672 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.33797789	-1.33797801 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	889436672	889436672 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1			

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4093351168	4093351168 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	2.94632554	2.94632554 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1257	1257 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.40 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.35000004e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.42560005
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	4.75999987e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2848
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1936
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	0.777400017
PullCmp_STComp_HwNm_M_f32	-3.6888001
PullCmp_STOppSignTime_mS_M_u32	1171
PullCmp_STStepSize_HwNm_M_f32	9484.37109
PullCmp_VehSpdRate_KphpS_M_f32	-3245.4978
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	0
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	40.4000015
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.42560005
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	139.866501
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	1.35720003
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.41 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.99999992e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-9.53919983
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	2.54000006e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	128
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2912
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	0.781000018
PullCmp_STComp_HwNm_M_f32	2.31329989
PullCmp_STOppSignTime_mS_M_u32	448
PullCmp_STStepSize_HwNm_M_f32	12580.0557
PullCmp_VehSpdRate_KphpS_M_f32	2805.56274
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	511
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-26.9022007
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-9.53919983
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	139.866501
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	104320256
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3287201536
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.000000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3287201536	3287201536 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-2.71494722	-2.71494746 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.000000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	1.95392001	1.95392001 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3287201536	3287201536 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	1.95392001	1.95392001 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.42 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	5.13000014e-005	
PullCmp_EnableLearn_Cnt_M_lgc	0	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.04590034	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798	
PullCmp_IncGain_Uls_M_f32	3.04999994e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1472	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3040	
PullCmp_ResetPer1_Cnt_M_lgc	1	
PullCmp_SComSTCompSet_Cnt_M_lgc	0	
PullCmp_SComSTComp_HwNm_M_f32	-2.51309991	
PullCmp_STComp_HwNm_M_f32	0.364199996	
PullCmp_STOppSignTime_mS_M_u32	295	
PullCmp_STStepSize_HwNm_M_f32	4268.39111	
PullCmp_VehSpdRate_KphpS_M_f32	936.485291	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	432.789612
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	8.11219978
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	8.04590034
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	139.866501
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	3.02469993
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	476797952
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3144588800
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	3144588800	3144588800 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	2.28994036	2.28994012 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	3144588800	3144588800 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	0	0	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.43 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.37000004e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.254999995
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	3.42999992e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2368
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2096
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	3.1566999
PullCmp_STComp_HwNm_M_f32	2.4776001
PullCmp_STOppSignTime_mS_M_u32	444
PullCmp_STStepSize_HwNm_M_f32	5026.15088
PullCmp_VehSpdRate_KphpS_M_f32	3047.09253
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	15.9336004
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-0.254999995
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	139.866501
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-2.4052
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3737956096
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	424339712

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f{	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476 5625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	424339712	424339712 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.072575435	-0.072575435 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476 5625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	424339712	424339712 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.44 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.59000005e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.396083593
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	1.35999999e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2416
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	32
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	0.0260000005
PullCmp_STOppSignTime_mS_M_u32	1262
PullCmp_STStepSize_HwNm_M_f32	19031.7617
PullCmp_VehSpdRate_KphpS_M_f32	4011.0835
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	0

Name	Input Value
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-32.6870995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	139.866501
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	1.44089997
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2025108992
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim	2728527872
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f;	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2728527872	2728527872 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.03916407	6.03916407 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	2728527872	2728527872 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.45 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.53000001e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-2.74250007
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	4.04999992e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2640
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2128
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.5151999
PullCmp_STComp_HwNm_M_f32	-0.34740001
PullCmp_STOppSignTime_mS_M_u32	458
PullCmp_STStepSize_HwNm_M_f32	16932.6953
PullCmp_VehSpdRate_KphpS_M_f32	-965.140259
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	1500
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	13.3320999
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-2.74250007
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	139.866501
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	1.92120004
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	936943872
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3453528832

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3453528832	3453528832 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.780541778	-0.780541718 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.725749969	-0.725749969 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	458	458 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.725749969	-0.725749969 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.46 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	4.65000012e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4.19000006
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	5.31000005e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	672
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3088
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.24530005
PullCmp_STComp_HwNm_M_f32	3.14520001
PullCmp_STOppSignTime_mS_M_u32	771
PullCmp_STStepSize_HwNm_M_f32	17232.2813
PullCmp_VehSpdRate_KphpS_M_f32	1690.72046
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	534.56781
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	20.7404995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4.19000006
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	139.866501
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3285770240
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3867197952
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	3867197952	3867197952 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.19251394	1.19251406 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	-1.41900003	-1.41900003 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	771	771 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	0	0	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-1.41900003	-1.41900003 ± 0.00048828125	✓

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.47 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.25000001e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.95950031
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.0272379816
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	1.72e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1504
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	16
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	3.46580005
PullCmp_STComp_HwNm_M_f32	2.98740005
PullCmp_STOppSignTime_mS_M_u32	1179
PullCmp_STStepSize_HwNm_M_f32	13075.3018
PullCmp_VehSpdRate_KphpS_M_f32	4350.2583
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	24.3047009
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	8.95950031
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	139.866501
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	0.5801
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1939088128
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4255415552
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4255415552	4255415552 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.71546173	8.71546173 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.315850019	-0.315850019 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	4255415552	4255415552 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.315850019	-0.315850019 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.48 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.55999982e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.61210012
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	4.51000014e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2784
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3056
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	2.95790005
PullCmp_STComp_HwNm_M_f32	1.18840003
PullCmp_STOppSignTime_mS_M_u32	1343
PullCmp_STStepSize_HwNm_M_f32	19070.0879
PullCmp_VehSpdRate_KphpS_M_f32	2180.22192
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	0
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.00150000001
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.61210012
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	139.866501
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	0.740100026
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1496209920
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	82136064
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f{	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	82136064	82136064 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.31264782	-1.31264782 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	82136064	82136064 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.49 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.87000003e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-9.42080021
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	1.52000002e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2656
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	224
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-0.957099974
PullCmp_STComp_HwNm_M_f32	-0.659500003
PullCmp_STOppSignTime_mS_M_u32	35
PullCmp_STStepSize_HwNm_M_f32	9263.63086
PullCmp_VehSpdRate_KphpS_M_f32	846.786926
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	100
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.00150000001
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-9.42080021
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	139.866501
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	-0.491699994
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	4194022656
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3105808128

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.000000014901161193847 65625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3105808128	3105808128 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-2.68124962	-2.68124986 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.000000014901161193847 65625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	35	35 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.50 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.94000004e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.48660004
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.000125655817
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCmp_IncGain_Uls_M_f32	5.27000011e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1312
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	928
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	1.79170001
PullCmp_STComp_HwNm_M_f32	-3.19350004
PullCmp_STOppSignTime_mS_M_u32	1183
PullCmp_STStepSize_HwNm_M_f32	7898.9917
PullCmp_VehSpdRate_KphpS_M_f32	-368.83725
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.00125584798
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	54.7685013
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.00150000001
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.48660004
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	139.866501
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	0.397100002
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2462032896
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	780019200
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	780019200	780019200 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.48641324	-1.48641324 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.248439997	-0.248439997 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1183	1183 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	0	0	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.248439997	-0.248439997 ± 0.00048828125	✔

Test Step Call Trace			✔
Actual Function	**Count**	**Expected Function**	**Count**

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1211912448	1211912448 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	7.0940876	7.09408712 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.48231268	-4.48231316 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1211912448	1211912448 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	94.0806046	94.0806046 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.52 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.23999996e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.23889995
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.390457004
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.5999999
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.641212404
PullCmp_IncGain_Uls_M_f32	4.13999987e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1120
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2592
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	-0.0626000017
PullCmp_STOppSignTime_mS_M_u32	990
PullCmp_STStepSize_HwNm_M_f32	7974.50928
PullCmp_VehSpdRate_KphpS_M_f32	976.982544
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	125.301804
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.208346322
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	0
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-0.234999999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.794499993
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1179.77856
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-36.9273987
target_ActivePull_Per1_HwTorque_HwNm_f32.value	2.02250004
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.23889995
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	139.866501
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	93.3186035
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3739958784
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4251832320
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4251832320	4251832320 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.54486203	1.54486203 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.364004374	0.364004374 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	990	990 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	118.638222	118.638222 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace			✔
Actual Function	**Count**	**Expected Function**	**Count**

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2257933056	2257933056 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-5.37825203	-5.37825203 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.03491449	2.03491426 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	1	1 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	2257933056	2257933056 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-62.109951	-62.1099548 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	1	1 ± 0.00048828125	✔

Test Step Call Trace					✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.54 (Repeat Count = 1)		✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.66000006e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.84040022
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.294300854
PullCmp_IncGain_Uls_M_f32	2.06999994e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2592
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	160
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.28550005
PullCmp_STComp_HwNm_M_f32	1.72389996
PullCmp_STOppSignTime_mS_M_u32	444
PullCmp_STStepSize_HwNm_M_f32	4147.11133
PullCmp_VehSpdRate_KphpS_M_f32	1703.02661
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-32.854599
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.184165657
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.06739998
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.540700018
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	219.109406
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-31.9487991
target_ActivePull_Per1_HwTorque_HwNm_f32.value	7.20590019
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	395.004303
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-83.7450027
target_Pim_PullCmpLTComp_HwNm_f32	-2.6644001
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2198054912
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3773483520
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3773483520	3773483520 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.00112724	8.00112724 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.53656864	5.53656864 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	444	444 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-42.2268639	-42.2268639 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.55 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.07000009e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.1244998
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.80929995
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	2.04999997e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1744
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1808
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	1.43739998
PullCmp_STOppSignTime_mS_M_u32	1434
PullCmp_STStepSize_HwNm_M_f32	17690.4102
PullCmp_VehSpdRate_KphpS_M_f32	-3447.23413
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	100.7006
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-7.10860014
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-196.575195
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-29.5876999
target_ActivePull_Per1_HwTorque_HwNm_f32.value	5.26179981
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	5.1244998
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.133698
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-54.9476013
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	993250048
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	545678592
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	545678592	545678592 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.22272301	5.22272301 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.11085939	2.11085916 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	545678592	545678592 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-10.6486282	-10.6486349 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.56 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.35000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.85360003
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.612502098
PullCmp_IncGain_Uls_M_f32	5.27000011e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1728
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1008
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	3.80029988
PullCmp_STComp_HwNm_M_f32	0.780200005
PullCmp_STOppSignTime_mS_M_u32	542
PullCmp_STStepSize_HwNm_M_f32	19141.4727
PullCmp_VehSpdRate_KphpS_M_f32	2859.92041
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	85.6764984
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	10
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	3.73769999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.419400007
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	670.454529
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-15.2601995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	8.80620003
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	76.7143021
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-112.406403
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1928290816
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3856634880
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	3856634880	3856634880 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.29987144	6.29987144 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.12555838	3.12555814 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	3856634880	3856634880 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-56.0301208	-56.0301132 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1			

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3109029632	3109029632 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-6.65532541	-6.65532541 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4394083	-3.4394083 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.635200024	0.635200024 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	838	838 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-31.7361221	-31.7361202 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.635200024	0.635200024 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.58 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	1.56999995e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-2.40249991
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.32620001
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	2.44000003e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	176
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1024
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.52390003
PullCmp_STComp_HwNm_M_f32	2.56890011
PullCmp_STOppSignTime_mS_M_u32	138
PullCmp_STStepSize_HwNm_M_f32	15393.4834
PullCmp_VehSpdRate_KphpS_M_f32	-4682.75098
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-71.8328018
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.131109506
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.92309999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1300.64355
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-2.04889989
target_ActivePull_Per1_HwTorque_HwNm_f32.value	7.50180006
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-2.40249991
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	487.360199
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	80.2320023
target_Pim_PullCmpLTComp_HwNm_f32	2.69860005
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3855150080
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3297422848
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	3297422848	3297422848 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4.68294144	4.68294144 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.31338406	6.31338453 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	138	138 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-51.8956604	-51.8956604 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.59 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.99000016e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.02829981
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.7565999
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.147781149
PullCmp_IncGain_Uls_M_f32	1.47000001e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	880
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	224
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	3.4756
PullCmp_STOppSignTime_mS_M_u32	291
PullCmp_STStepSize_HwNm_M_f32	14837.8486
PullCmp_VehSpdRate_KphpS_M_f32	3910.15918
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	9.07730007
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.523970485
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	4.7505002
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.463200003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-445.123688
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-36.6272011
target_ActivePull_Per1_HwTorque_HwNm_f32.value	6.32870007
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.02829981
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	434.97229
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-99.0487976
target_Pim_PullCmpLTComp_HwNm_f32	2.04990005
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2809360384
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4251046400
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4251046400	4251046400 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	3.38099909	3.38099885 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.11840153	-3.11840153 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.402829975	0.402830005 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	4251046400	4251046400 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-47.5775833	-47.5775833 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.402829975	0.402830005 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.60 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.20000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-5.61320019
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.292627692
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.9520998
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.200488806
PullCmp_IncGain_Uls_M_f32	2.16999997e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1360
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2304
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	2.83229995
PullCmp_STOppSignTime_mS_M_u32	498
PullCmp_STStepSize_HwNm_M_f32	0
PullCmp_VehSpdRate_KphpS_M_f32	2332.89038
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	105.995003
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	10
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-9.09280014
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.391099989
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1178.56995
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	1.60039997
target_ActivePull_Per1_HwTorque_HwNm_f32.value	8.77929974
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-5.61320019
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	235.135696
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-8.76420021
target_Pim_PullCmpLTComp_HwNm_f32	0.708100021
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	654603008
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1363234048
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1363234048	1363234048 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.40155602	-1.40155602 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.3971529	-5.39715242 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	1.56132007	1.56132007 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1363234048	1363234048 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	23.8973694	23.8973656 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	1.56132007	1.56132007 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.61 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.25999993e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.94070005
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.89950001
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.161723629
PullCmp_IncGain_Uls_M_f32	1.77000002e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1984
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2224
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-1.88779998
PullCmp_STComp_HwNm_M_f32	-1.84389997
PullCmp_STOppSignTime_mS_M_u32	834
PullCmp_STStepSize_HwNm_M_f32	20000
PullCmp_VehSpdRate_KphpS_M_f32	3815.53638
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-87.7661972
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	4.76849985
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-0.367199987
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.6523
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1283.45117
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-8.29679966
target_ActivePull_Per1_HwTorque_HwNm_f32.value	8.19089985
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	6.94070005
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	465.239594
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	107.263199
target_Pim_PullCmpLTComp_HwNm_f32	-3.96589994
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1051073280
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	141899008

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.000000014901161193847656 25	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	141899008	141899008 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	7.8350811	7.8350811 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.267643929	-0.267643899 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.000000014901161193847656 25	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.694070041	-0.694069982 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	834	834 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	51.7559586	51.75597 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.694070041	-0.694069982 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
CalcIntGain_f32	1	CalcIntGain_f32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔

Test Step 3.62 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	2.23999996e-005	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4.19000006	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_IncGain_Uls_M_f32	2.06999994e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1744	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1024	
PullCmp_ResetPer1_Cnt_M_lgc	0	
PullCmp_SComSTCompSet_Cnt_M_lgc	1	
PullCmp_SComSTComp_HwNm_M_f32	-3.24530005	
PullCmp_STComp_HwNm_M_f32	3.14520001	
PullCmp_STOppSignTime_mS_M_u32	1156	
PullCmp_STStepSize_HwNm_M_f32	17232.2813	
PullCmp_VehSpdRate_KphpS_M_f32	-5110	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	127.9375	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	0
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-4.08620024
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1270.14246
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	20.7404995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-4.30849981
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4.19000006
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	313.981598
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	45.972599
target_Pim_PullCmpLTComp_HwNm_f32	3.99670005
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1784507648
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3845478144
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562 5	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3845478144	3845478144 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.88974571	-1.88974571 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.236164093	-0.236164168 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562 5	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.419	-0.419 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3845478144	3845478144 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	69.3005905	69.3005905 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.419	-0.419 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.63 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.20000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.95950031
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.0272379816
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.30919981
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	2.04999997e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1728
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	224
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	3.46580005
PullCmp_STComp_HwNm_M_f32	2.98740005
PullCmp_STOppSignTime_mS_M_u32	460
PullCmp_STStepSize_HwNm_M_f32	13075.3018
PullCmp_VehSpdRate_KphpS_M_f32	5110
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	36.4519997
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.0272890665
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	10
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-1.26750004
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.149900004
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-541.638428
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	24.3047009
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-0.27759999
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	8.95950031
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	186.951797
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	45.783699
target_Pim_PullCmpLTComp_HwNm_f32	-1.01670003
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2462032896
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	780019200

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f{	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	780019200	780019200 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.70790005	8.70790005 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.5970664	1.59706616 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.895950019	-0.895950019 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	460	460 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	36.7066536	36.7066536 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.895950019	-0.895950019 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.64 (Repeat Count = 1)	✔
Name	**Input Value**
PullCmp_DecGain_Uls_M_f32	2.66000006e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.61210012
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.05039978
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	5.27000011e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2000
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2304
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	2.95790005
PullCmp_STComp_HwNm_M_f32	1.18840003
PullCmp_STOppSignTime_mS_M_u32	1370
PullCmp_STStepSize_HwNm_M_f32	19070.0879
PullCmp_VehSpdRate_KphpS_M_f32	1432.43628
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.240548387
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	6.56739998
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.63940001
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.877699971
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	297.391693
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-5.31890011
target_ActivePull_Per1_HwTorque_HwNm_f32.value	9.1718998
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.61210012
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	279.01001
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-76.7530975
target_Pim_PullCmpLTComp_HwNm_f32	4
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	116381440
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1211912448
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1211912448	1211912448 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.24884176	5.24884176 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.13731956	9.13731956 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1211912448	1211912448 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-18.4628334	-18.4628353 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.65 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.07000009e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-9.42080021
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.95749998
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	4.1700001e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	176
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2224
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-0.957099974
PullCmp_STComp_HwNm_M_f32	-0.659500003
PullCmp_STOppSignTime_mS_M_u32	829
PullCmp_STStepSize_HwNm_M_f32	9263.63086
PullCmp_VehSpdRate_KphpS_M_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-36.3209991
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.161023766
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	10
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	51.4779015
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-34.9676018
target_ActivePull_Per1_HwTorque_HwNm_f32.value	9.38440037
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-9.42080021
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	325.929108
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-77.8945999
target_Pim_PullCmpLTComp_HwNm_f32	0.71420002
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3739958784
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4251832320

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f!	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4251832320	4251832320 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4.03226089	4.03226042 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.40907192	8.40907192 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	829	829 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-43.0153351	-43.0153351 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.66 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.35000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.48660004
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.000125655817
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.78119993
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	2.44000003e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	880
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2336
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	1.79170001
PullCmp_STComp_HwNm_M_f32	-3.19350004
PullCmp_STOppSignTime_mS_M_u32	172
PullCmp_STStepSize_HwNm_M_f32	7898.9917
PullCmp_VehSpdRate_KphpS_M_f32	-3523.76953
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	55.6467018
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0.892099977
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.491400003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	278.358398
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.474700004
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0.50150001
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.48660004
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	335.890411
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	112.972702
target_Pim_PullCmpLTComp_HwNm_f32	-2.30320001
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3914664192
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2257933056
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476 5625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2257933056	2257933056 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.48635018	-1.48635018 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.43493414	1.4349339 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476 5625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	172	172 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	96.6571732	96.6571732 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.67 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.82999993e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	3.37420011
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9.13770008
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.262842476
PullCmp_IncGain_Uls_M_f32	1.47000001e-005

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3773483520	3773483520 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	7.0940876	7.09408712 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.48231268	-4.48231316 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3773483520	3773483520 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	94.0806046	94.0806046 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔
CalcIntGain_f32	1	CalcIntGain_f32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32		1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32		1	✔

Test Step 3.68 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	1.56999995e-005	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.23889995	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.390457004	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.5999999	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.641212404	
PullCmp_IncGain_Uls_M_f32	2.16999997e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1984	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3200	
PullCmp_ResetPer1_Cnt_M_lgc	1	
PullCmp_SComSTCompSet_Cnt_M_lgc	0	
PullCmp_SComSTComp_HwNm_M_f32	4	
PullCmp_STComp_HwNm_M_f32	-0.0626000017	
PullCmp_STOppSignTime_mS_M_u32	1375	
PullCmp_STStepSize_HwNm_M_f32	7974.50928	
PullCmp_VehSpdRate_KphpS_M_f32	1703.02661	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	125.301804	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.208346322	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.64349997
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-0.234999999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.794499993
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1179.77856
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-36.9273987
target_ActivePull_Per1_HwTorque_HwNm_f32.value	2.02250004
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.23889995
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	352.439301
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	93.3186035
target_Pim_PullCmpLTComp_HwNm_f32	-1.87769997
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	993250048
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	545678592
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	545678592	545678592 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.54486203	1.54486203 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.364004374	0.364004374 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1375	1375 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	118.638222	118.638222 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.69 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.99000016e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-10
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.52128309
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	1.77000002e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	768
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2144
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-1.06280005
PullCmp_STComp_HwNm_M_f32	-0.727599978
PullCmp_STOppSignTime_mS_M_u32	7
PullCmp_STStepSize_HwNm_M_f32	10698.1855
PullCmp_VehSpdRate_KphpS_M_f32	-3447.23413
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	6.33710003
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-9.32719994
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	778.636475
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-6.94250011
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.13390005
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.266205
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-89.3407974
target_Pim_PullCmpLTComp_HwNm_f32	0.614799976
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1928290816
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3856634880
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3856634880	3856634880 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-5.37825203	-5.37825203 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.03491449	2.03491426 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	1	1 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3856634880	3856634880 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-62.109951	-62.1099548 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	1	1 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.70 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.20000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.84040022
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.294300854
PullCmp_IncGain_Uls_M_f32	3.88000008e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	0
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3088
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.28550005
PullCmp_STComp_HwNm_M_f32	1.72389996
PullCmp_STOppSignTime_mS_M_u32	400
PullCmp_STStepSize_HwNm_M_f32	4147.11133
PullCmp_VehSpdRate_KphpS_M_f32	2859.92041
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-32.854599
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.184165657
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	5
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.06739998
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.540700018
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	219.109406
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-31.9487991
target_ActivePull_Per1_HwTorque_HwNm_f32.value	7.20590019
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	395.004303
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-83.7450027
target_Pim_PullCmpLTComp_HwNm_f32	2.69260001
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3671629056
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3109029632
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011616119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3109029632	3109029632 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.00112724	8.00112724 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.53656864	5.53656864 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	0.000540000037	0.000540000037 ± 0.0000000149011616119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	80	80 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	400	400 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-42.2268639	-42.2268639 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.71 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	2.25999993e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.1244998
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.80929995
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	5.40000001e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	3200
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	16
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	1.43739998
PullCmp_STOppSignTime_mS_M_u32	136
PullCmp_STStepSize_HwNm_M_f32	17690.4102
PullCmp_VehSpdRate_KphpS_M_f32	509.528137
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	100.7006
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	200
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-7.10860014
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-196.575195
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-29.5876999
target_ActivePull_Per1_HwTorque_HwNm_f32.value	5.26179981
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	5.1244998
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.133698
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-54.9476013
target_Pim_PullCmpLTComp_HwNm_f32	-3.51929998
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3855150080
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3297422848
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476525	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3297422848	3297422848 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	5.22272301	5.22272301 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.11085939	2.11085916 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	1.35000009e-005	1.35000009e-005 ± 0.0000000149011611938476525	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3200	3200 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	3297422848	3297422848 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-10.6486282	-10.6486349 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.72 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.40000006e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.85360003
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.612502098
PullCmp_IncGain_Uls_M_f32	4.13999987e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2816
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3056
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	3.80029988
PullCmp_STComp_HwNm_M_f32	0.780200005
PullCmp_STOppSignTime_mS_M_u32	807
PullCmp_STStepSize_HwNm_M_f32	19141.4727
PullCmp_VehSpdRate_KphpS_M_f32	-4682.75098
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	85.6764984
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	145.764297
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	3.73769999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.419400007
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	670.454529
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-15.2601995
target_ActivePull_Per1_HwTorque_HwNm_f32.value	8.80620003
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	76.7143021
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-112.406403
target_Pim_PullCmpLTComp_HwNm_f32	0.989700019
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2809360384
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4251046400
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4251046400	4251046400 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.29987144	6.29987144 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.12555838	3.12555814 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	1.85230547e-005	1.85230547e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2332	2332 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	4251046400	4251046400 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-56.0301208	-56.0301132 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.73 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.07000009e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-6.35200024
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.94740009
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	1.35e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1120
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	224
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	1.45930004
PullCmp_STComp_HwNm_M_f32	2.23950005
PullCmp_STOppSignTime_mS_M_u32	1257
PullCmp_STStepSize_HwNm_M_f32	17301.8379
PullCmp_VehSpdRate_KphpS_M_f32	3910.15918
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-14.4844999
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.629425943
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-6.7821002
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.157399997
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-970.638123
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	42
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-6.77600002
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-6.35200024
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	154.066101
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-41.8930016
target_Pim_PullCmpLTComp_HwNm_f32	0.0305000003
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	654603008
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1363234048

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.000000014901161193847656255	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1363234048	1363234048 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-6.65532541	-6.65532541 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4394083	-3.4394083 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.000000014901161193847656255	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.635200024	0.635200024 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1257	1257 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-31.7361221	-31.7361202 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.635200024	0.635200024 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.74 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.35000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-2.40249991
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.32620001
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	0.000539999979
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	800
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	928
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-3.52390003
PullCmp_STComp_HwNm_M_f32	2.56890011
PullCmp_STOppSignTime_mS_M_u32	234
PullCmp_STStepSize_HwNm_M_f32	15393.4834
PullCmp_VehSpdRate_KphpS_M_f32	2332.89038
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-71.8328018
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.131109506
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	5
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.92309999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1300.64355
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-2.04889989
target_ActivePull_Per1_HwTorque_HwNm_f32.value	7.50180006
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-2.40249991
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	487.360199
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	80.2320023
target_Pim_PullCmpLTComp_HwNm_f32	0.64230001
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1051073280
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	141899008
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	0.000540000037	0.000540000037 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	141899008	141899008 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4.68294144	4.68294144 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.31338406	6.31338453 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	80	80 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	234	234 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-51.8956604	-51.8956604 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.75 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.82999993e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-4.02829981
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.7565999
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.147781149
PullCmp_IncGain_Uls_M_f32	3.40000006e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2592
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	1872
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	3.4756
PullCmp_STOppSignTime_mS_M_u32	364
PullCmp_STStepSize_HwNm_M_f32	14837.8486
PullCmp_VehSpdRate_KphpS_M_f32	3815.53638
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	9.07730007
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.523970485
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	200
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	4.7505002
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.463200003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-445.123688
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-36.6272011
target_ActivePull_Per1_HwTorque_HwNm_f32.value	6.32870007
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.02829981
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	434.97229
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-99.0487976
target_Pim_PullCmpLTComp_HwNm_f32	-1.70790005
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3587731968
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	760423424
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN|	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	1.35000009e-005	1.35000009e-005 ± 0.0000000149011611938476525	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	760423424	760423424 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	3.38099909	3.38099885 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.11840153	-3.11840153 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476525	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	3200	3200 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.402829975	0.402830005 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	760423424	760423424 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-47.5775833	-47.5775833 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.402829975	0.402830005 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.76 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	1.35e-005	
PullCmp_EnableLearn_Cnt_M_lgc	0	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-5.61320019	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.292627692	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.9520998	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.200488806	
PullCmp_IncGain_Uls_M_f32	2.06999994e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1744	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2592	
PullCmp_ResetPer1_Cnt_M_lgc	0	
PullCmp_SComSTCompSet_Cnt_M_lgc	0	
PullCmp_SComSTComp_HwNm_M_f32	4	
PullCmp_STComp_HwNm_M_f32	2.83229995	
PullCmp_STOppSignTime_mS_M_u32	844	
PullCmp_STStepSize_HwNm_M_f32	17690.4102	
PullCmp_VehSpdRate_KphpS_M_f32	4080.71191	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	105.995003	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	43.7685013
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-9.09280014
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.391099989
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1178.56995
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	1.60039997
target_ActivePull_Per1_HwTorque_HwNm_f32.value	8.77929974
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-5.61320019
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	235.135696
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-8.76420021
target_Pim_PullCmpLTComp_HwNm_f32	1.82430005
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3739958784
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4251832320
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.16882025e-005	6.16882025e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4251832320	4251832320 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.40155602	-1.40155602 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.3971529	-5.39715242 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	700	700 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0.561320007	0.561320007 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	4251832320	4251832320 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	23.8973694	23.8973656 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.561320007	0.561320007 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.77 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	0.000539999979
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.94070005
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.89950001
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.161723629
PullCmp_IncGain_Uls_M_f32	2.04999997e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1728
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	128
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	-1.88779998
PullCmp_STComp_HwNm_M_f32	-1.84389997
PullCmp_STOppSignTime_mS_M_u32	1369
PullCmp_STStepSize_HwNm_M_f32	19141.4727
PullCmp_VehSpdRate_KphpS_M_f32	2859.92041
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-87.7661972
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-0.367199987
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.6523
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1283.45117
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-8.29679966
target_ActivePull_Per1_HwTorque_HwNm_f32.value	8.19089985
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	6.94070005
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	465.239594
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	107.263199
target_Pim_PullCmpLTComp_HwNm_f32	-1.02960002
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3914664192
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2257933056

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNr	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f{	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	2257933056	2257933056 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	7.8350811	7.8350811 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.267643929	-0.267643899 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.694070041	-0.694069982 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1369	1369 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	51.7559586	51.75597 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.694070041	-0.694069982 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.78 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	5.40000001e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.22899997
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.619205296
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	5.27000011e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2000
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	160
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	1
PullCmp_SComSTComp_HwNm_M_f32	0.434199989
PullCmp_STComp_HwNm_M_f32	1.49230003
PullCmp_STOppSignTime_mS_M_u32	158
PullCmp_STStepSize_HwNm_M_f32	17301.8379
PullCmp_VehSpdRate_KphpS_M_f32	509.528137
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-33.169899
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5

Name	Input Value
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	0
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	5.51859999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.826499999
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	442.471313
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-19.9484005
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.92929995
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.22899997
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	86.8964996
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-73.498703
target_Pim_PullCmpLTComp_HwNm_f32	1.74160004
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2198054912
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3773483520
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3773483520	3773483520 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.726636052	-0.726636112 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.46589279	1.46589279 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	-0.122900002	-0.122900002 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	158	158 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-62.0207405	-62.0207367 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-0.122900002	-0.122900002 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.79 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	3.07000009e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-9.42080021
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.95749998
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	4.1700001e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	176
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2224
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-0.957099974
PullCmp_STComp_HwNm_M_f32	-0.659500003
PullCmp_STOppSignTime_mS_M_u32	1278
PullCmp_STStepSize_HwNm_M_f32	9263.63086
PullCmp_VehSpdRate_KphpS_M_f32	0
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-36.3209991
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.161023766
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	30000
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	10
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	51.4779015
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-34.9676018
target_ActivePull_Per1_HwTorque_HwNm_f32.value	9.38440037
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-9.42080021
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	325.929108
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-77.8945999
target_Pim_PullCmpLTComp_HwNm_f32	0.71420002
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	993250048
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	545678592
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476525	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	545678592	545678592 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4.03226089	4.03226042 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.40907192	8.40907192 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476525	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	1278	1278 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-43.0153351	-43.0153351 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.80 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.35000002e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.48660004
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.000125655817
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.78119993
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	2.44000003e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	880
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2336
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	1.79170001
PullCmp_STComp_HwNm_M_f32	-3.19350004
PullCmp_STOppSignTime_mS_M_u32	114
PullCmp_STStepSize_HwNm_M_f32	7898.9917
PullCmp_VehSpdRate_KphpS_M_f32	-3523.76953
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	55.6467018
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000

Name	Input Value
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0.892099977
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.491400003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	278.358398
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.474700004
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0.50150001
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.48660004
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	335.890411
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	112.972702
target_Pim_PullCmpLTComp_HwNm_f32	-2.30320001
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1928290816
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3856634880
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	3856634880	3856634880 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.48635018	-1.48635018 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.43493414	1.4349339 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0.148660004	0.148660004 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	114	114 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	96.6571732	96.6571732 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.148660004	0.148660004 ± 0.00048828125	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 3.81 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.82999993e-005
PullCmp_EnableLearn_Cnt_M_lgc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	3.37420011
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9.13770008
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.262842476
PullCmp_IncGain_Uls_M_f32	1.47000001e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1360
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	0
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-2.52880001
PullCmp_STComp_HwNm_M_f32	1.079
PullCmp_STOppSignTime_mS_M_u32	345
PullCmp_STStepSize_HwNm_M_f32	3089.87573
PullCmp_VehSpdRate_KphpS_M_f32	2732.21021
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	121.930298
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.374070466
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	0
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.23939991
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.757200003
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-490.38681
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	6.84649992
target_ActivePull_Per1_HwTorque_HwNm_f32.value	8.57400036
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.37420011
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	77.8503036
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	47.4799004
target_Pim_PullCmpLTComp_HwNm_f32	1.07739997
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3671629056
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3109029632
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32

Name	Input Value
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✓
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✓
PullCmp_EnableTime_mS_M_u32	3109029632	3109029632 ± 1	✓
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	7.0940876	7.09408712 ± 0.00048828125	✓
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.48231268	-4.48231316 ± 0.00048828125	✓
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476562	✓
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✓
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✓
PullCmp_STOppSignTime_mS_M_u32	3109029632	3109029632 ± 1	✓
PullCmp_STReset_Cnt_M_lgc	1	1	✓
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	94.0806046	94.0806046 ± 0.00390625	✓
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓
CalcIntGain_f32	1	CalcIntGain_f32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✓
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✓

Test Step 3.82 (Repeat Count = 1) ✓

Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.56999995e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.23889995
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.390457004
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.5999999
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.641212404
PullCmp_IncGain_Uls_M_f32	2.16999997e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1984
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3200
PullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	4
PullCmp_STComp_HwNm_M_f32	-0.0626000017
PullCmp_STOppSignTime_mS_M_u32	323
PullCmp_STStepSize_HwNm_M_f32	7974.50928
PullCmp_VehSpdRate_KphpS_M_f32	1703.02661
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	125.301804
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.208346322
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	

Name	Input Value
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	10
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-0.234999999
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.794499993
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1179.77856
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-36.9273987
target_ActivePull_Per1_HwTorque_HwNm_f32.value	2.02250004
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.23889995
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	352.439301
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	93.3186035
target_Pim_PullCmpLTComp_HwNm_f32	-1.87769997
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3855150080
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3297422848
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNr	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	3297422848	3297422848 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.54486203	1.54486203 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.364004374	0.364004374 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	323	323 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	118.638222	118.638222 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.83 (Repeat Count = 1) ✔

Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.99000016e-005
PullCmp_EnableLearn_Cnt_M_lgc	0

Name	Input Value
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-10
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.52128309
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	1.77000002e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	768
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2144
PullCmp_ResetPer1_Cnt_M_lgc	0
PullCmp_SComSTCompSet_Cnt_M_lgc	0
PullCmp_SComSTComp_HwNm_M_f32	-1.06280005
PullCmp_STComp_HwNm_M_f32	-0.727599978
PullCmp_STOppSignTime_mS_M_u32	1073
PullCmp_STStepSize_HwNm_M_f32	10698.1855
PullCmp_VehSpdRate_KphpS_M_f32	-3447.23413
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	6.33710003
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
k_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45
k_STLearnTimeInc_Sec_f32	45
k_STLimit_HwNm_f32	4.45639992
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-9.32719994
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	778.636475
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-6.94250011
target_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.13390005
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.266205
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-89.3407974
target_Pim_PullCmpLTComp_HwNm_f32	0.614799976
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2809360384
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4251046400
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476 5625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	4251046400	4251046400 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-5.37825203	-5.37825203 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.03491449	2.03491426 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011611938476 5625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	1	1 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	4251046400	4251046400 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-62.109951	-62.1099548 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	1	1 ± 0.00048828125	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔

Test Step 3.84 (Repeat Count = 1)		✔
Name	**Input Value**	
PullCmp_DecGain_Uls_M_f32	2.20000002e-005	
PullCmp_EnableLearn_Cnt_M_lgc	1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.84040022	
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.294300854	
PullCmp_IncGain_Uls_M_f32	3.88000008e-005	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	0	
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3088	
PullCmp_ResetPer1_Cnt_M_lgc	1	
PullCmp_SComSTCompSet_Cnt_M_lgc	1	
PullCmp_SComSTComp_HwNm_M_f32	-3.28550005	
PullCmp_STComp_HwNm_M_f32	1.72389996	
PullCmp_STOppSignTime_mS_M_u32	910	
PullCmp_STStepSize_HwNm_M_f32	4147.11133	
PullCmp_VehSpdRate_KphpS_M_f32	2859.92041	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-32.854599	
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.184165657	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull	
k_EnableHwAuthMin_Uls_f32	1	
k_EnableHwPosMax_HwDeg_f32	45	
k_EnableHwTrqMax_HwNm_f32	2.79999995	
k_EnableHwVelMax_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	
k_EnableVehSpdMax_Kph_f32	160	
k_EnableVehSpdMin_Kph_f32	60	
k_EnableVehSpdRateMax_KphpS_f32	1	
k_EnableYawRateMax_DegpS_f32	1	
k_FiltDeadband_HwNm_f32	0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001	
k_STIntInputLimit_HwNm_f32	3	
k_STLearnTimeDec_Sec_f32	45	
k_STLearnTimeInc_Sec_f32	45	
k_STLimit_HwNm_f32	1	
k_STOppSignTime_mS_u32	100	
k_STResetHwPos_HwDeg_f32	45	
k_STResetHwTrq_HwNm_f32	3	
k_STResetLatAcc_MpSecSq_f32	1	
k_STResetYawRate_DegpS_f32	1	

Name	Input Value
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.06739998
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.540700018
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	219.109406
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-31.9487991
target_ActivePull_Per1_HwTorque_HwNm_f32.value	7.20590019
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	395.004303
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-83.7450027
target_Pim_PullCmpLTComp_HwNm_f32	2.69260001
target Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32 Elapsed	654603008
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1363234048
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32

Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_EnableLearn_Cnt_M_lgc	1	1	✔
PullCmp_EnableTime_mS_M_u32	1363234048	1363234048 ± 1	✔
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.00112724	8.00112724 ± 0.00048828125	✔
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.53656864	5.53656864 ± 0.00048828125	✔
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000149011619384765625	✔
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✔
PullCmp_ResetPer1_Cnt_M_lgc	0	0	✔
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✔
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	✔
PullCmp_STOppSignTime_mS_M_u32	910	910 ± 1	✔
PullCmp_STReset_Cnt_M_lgc	1	1	✔
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-42.2268639	-42.2268639 ± 0.00390625	✔
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace					✔

Actual Function	Count	Expected Function	Count	Result
ActvCmpEna_lgc	1	ActvCmpEna_lgc	1	✔
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔
CalcIntGain_f32	1	CalcIntGain_f32	1	✔
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32	1	✔