

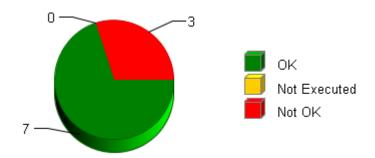
Summary

Overall Test Object Results (including Coverage)

Total Test Objects: 10 Successful: 7 3 Failed:

2018-03-13 Date:

Time: 18:55:11+0530



Selected Project Items

Not Executed:

Test Object "CBD UnitTest/ActivePull/ActivePull Init1"

0

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"

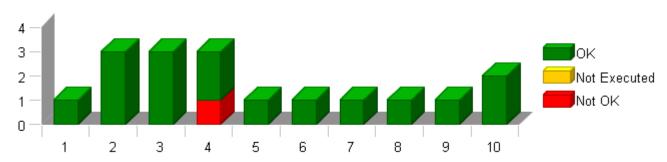
Test Object "CBD UnitTest/ActivePull/ActivePull Trns1"

Test Object "CBD_UnitTest/ActivePull/ActivePull_Trns2"

Used Test Environments

TI TMS 570 PLS UDE (Default)

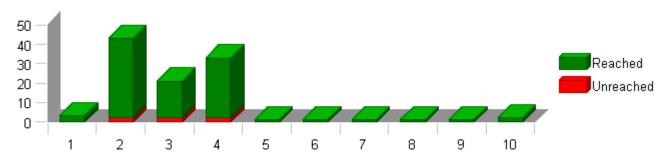
Test Case Results for Each Test Object (without Coverage)



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).

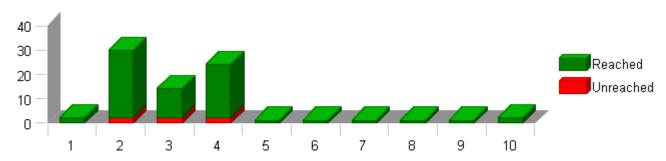


Statement (C0) Coverage: Total Statements for Each Test Object



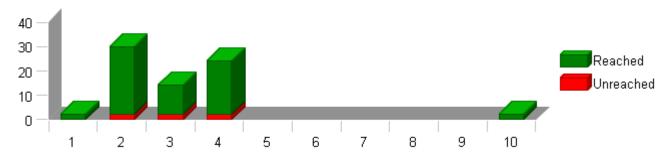
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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

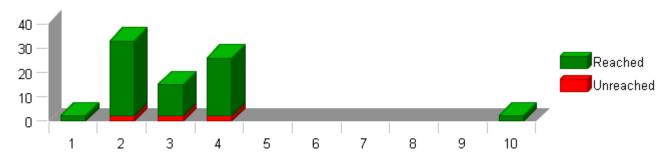


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

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.

Project ActivePull

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 Res	sult
	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	•

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ActivePull_Trns2

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=-Dinline=-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=-Dinline=-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

Name	Text
Module 'ActivePull'	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 Document:Active_Pull_Comp_MDD.docx 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 Version: Nexteer EPS Unit Test Tool 1.0 Total FLASH Used (Bytes): 3156 Total RAM 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 "ActivePull_Per1" function Please refer the snapshot "ActivePull_Per1" coverage". NOTE5: In function "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 "Natlab_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				

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ActivePull_Trns2



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

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

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		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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_ActivePull_PullCmpLTComp_SetRamBlockStatus	1	Rte_Call_Ap_ActivePull_PullCmpLTComp_SetRamBlockStatus	1	~

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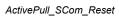
ActivePull_SCom_Reset

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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: Range Test

ActivePull_SCom_Reset

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

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	~

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ActivePull_SCom_ReadParam

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= -Dinline= -Dconst= -D_extern= -Dstatic= -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= -Dinline= -Dconst= -D_extern= -Dstatic= -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

Name	Text
Module 'ActivePull'	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 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 "ActivePull_Per1" functior Please refer the snapshot "ActivePull_ActivePullPer1_overage". NOTE5:In function "ActivePull_Per3" output variable "PullCmp_VehSpdRate_KphpS_M_32" 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

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ActivePull_SCom_ReadParam

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 Step 1.1 (Repeat Count = 1)			✓	
Name	Input Value			
EnableLearn_Cnt_lgc	target_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	n_f32		
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePu	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_	target_PullCompCmd_HwNm_f32		
Rte_Inst_Ap_ActivePull	target_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_I	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_ActivePu	II	
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_ActivePu	II	
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_ActivePu	II	
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_	<u>f</u> 32	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePul		
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_ActivePu	II	
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	✓

ActivePull_SCom_ReadParam

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Test Step Call Trace					•
	Actual Function	Count	Expected Function	Count	Result
	pone	0	*** No Call Expected ***	0	- 4

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

ActivePull_SCom_ReadParam

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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	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	~

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_ActivePul	I		
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_HwNn	1_f32	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePt	ıll	
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_HwNn	n_f32	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePt	ıll	
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				V
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_ActivePul	I	
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	✓

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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	target_PullCompCmd_HwNm_f32			
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePu	ıll			
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				V
Actual Function Count Expected Function			Count	Result
none	0	*** No Call Expected ***	0	~

ActivePull_Per2

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 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= -Dinline= -Dconst= -D_extern= -Dstatic= -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= -Dinline= -Dconst= -D_extern= -Dstatic= -I\$(PROJECTROOT)\ActivePull\tools\Contract\-I\$(PROJECTROOT)\ActivePull\tools\Contract\-I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Name	Text
Module 'ActivePull'	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 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): 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 "ActivePull_Pera" output variable "PullCmp_VehSpdRate_KphpS_M_[32" is failing in TS3.10 because of precision difference Please refer the snapshots "ActivePull_Pera" output variable "PullCmp_VehSpdRate_KphpS_M_[32" 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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>

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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
TS1.2 206.00 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
TS1.11 72.00 Cycles
TS1.12 72.00 Cycles
TS1.13 189.00 Cycles
TS1.14 72.00 Cycles
TS1.15 814.00 Cycles
TS1.15 814.00 Cycles
TS1.17 796.00 Cycles
TS1.18 196.00 Cycles
TS1.19 72.00 Cycles

Description

Vector Description:

TS1.1All Min TS1.2All Max

IS1.2All Max
TS1.3VehicleSpeed_Kph_f32==>Min
TS1.3VehicleSpeed_Kph_f32==>Max
TS1.5VehicleSpeed_Kph_f32==>Pos
TS1.6DisableOutput_Cnt_lgc==>Min
TS1.7DisableOutput_Cnt_lgc==>Mix
TS1.8PullCmpEna_Cnt_lgc==>Mix
TS1.9PullCmpEna_Cnt_lgc==>Max TS1.10PullCmpShoTermIntgtrStOffs_HwNm_f32 TS1.11PullCmpShoTermIntgtrStOffs_HwNm_f32 TS1.12PullCmpShoTermIntgtrStOffs_HwNm_f32

TS1.13PullCmpShoTermIntgtrStOffs_HwNm_f32 TS1.14PullCmpShoTermIntgtrStOffs_HwNm_f32 TS1.15PullCmpLongTermIntgtrStOffs_HwNm_f32 TS1.16PullCmpLongTermIntgtrStOffs_HwNm_f32

TS1.17PullCmpLongTermIntgtrStOffs_HwNm_f32 TS1.18PullCmpLongTermIntgtrStOffs_HwNm_f32 TS1.19PullCmpLongTermIntgtrStOffs_HwNm_f32

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_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Interpretation the property of the$	HwN target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_Harget_Rte_Inst_Ap_ActivePull_RterPullActivePull_RterPullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActi$	wNi target_ActivePull_Per2_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	lm_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
· · · · · · · · · · · · · · · · · · ·			

Actual Value	Expected Value	Result
-8.80000019	-8.80000019	~
0	0	✓
0	0	~

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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_I	gc	
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpLongTermIntgtrStOffs Hwh	target_ActivePull_Per2_PullCmpLongTerml	IntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN$	target_ActivePull_Per2_PullCmpShoTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_Mtr	Nm_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				✓	
Ac	tual Function	Count	Expected Function	Count	Result
no	ne	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_Igc	target_ActivePull_Per2_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwl	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per2_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_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		
$target_Active Pull_Per2_Pull CmpShoTermIntgtrStOffs_HwNm_f32.value$	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_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lge	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerserserserserserserserserserserserserse$	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN$	target_ActivePull_Per2_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_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	~

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	

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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_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lge	c	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN$	target_ActivePull_Per2_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_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_0	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cr	nt_lgc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePull_Per2_PullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_FactivePullCmpLongTermIntgtrStOffs_$	wt target_ActivePull_Per2_PullCmpLongTe	rmIntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_Holders and the property of the pro$	vNi target_ActivePull_Per2_PullCmpShoTer	mIntgtrStOffs_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_h	(ph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f3	2	
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*

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Name	Innut Value		
	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_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lge	C	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per2_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_		
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)	Innut Value		
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	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_DisableO	utput_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpE	Ena_Cnt_lgc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffstarget_Rte_Inst_Ap_ActivePull_Per2_PullCmpLongTermIntgtrStOffstarget_Rte_Inst_Ap_ActivePull_Per2_PullCmpLongTermIntgtrStOffstarget_Rte_Inst_Ap_ActivePull_Per2_PullCmpLongTermIntgtrStOffstarget_Rte_Inst_Ap_ActivePull_Per2_PullCmpLongTermIntgtrStOffstarget_Rte_Inst_Ap_ActivePull_Per2_PullCmpLongTermIntgtrStOffstarget_Rte_Inst_Ap_ActivePull_Per2_PullCmpLongTermIntgtrStOffstarget_Rte_Inst_Ap_ActivePull_Per2_PullCmpLongTermIntgtrStOffstarget_Rte_Inst_Ap_ActivePull_Per2_PullCmpLongTermIntgtrStOffstarget_Rte_Inst_Ap_ActivePull_Per2_PullCmpLongTermIntgtrStOffstarget_Rte_Inst_Ap_ActivePull_Per2_PullCmpLongTermIntgtrStOffstarget_Rte_Inst_Ap_ActivePull_Per2_PullCmpLongTermIntgtrStOffstarget_Rte_Inst_Ap_ActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePullAppActivePul$	s_Hwh target_ActivePull_Per2_PullCmpL	.ongTermIntgtrStOffs_HwNm_f32	
$target \ \ Rte \ \ Inst \ \ Ap \ \ Active Pull. Active Pull \ \ Per 2 \ \ Pull Cmp Sho TermInt gtr St Offs$	HwN target_ActivePull_Per2_PullCmpS	ShoTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullComp	target_ActivePull_Per2_PullCompCmd_MtrNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSp	target_ActivePull_Per2_VehicleSpeed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_Hw	Nm_f32	
Name	Actual Value	Expected Value	Resul
PullCmp_PullCompCmd_HwNm_M_f32	0	0	•
PullCmp_ResetPer2_Cnt_M_lgc	0	0	•
target ActivePull Per2 PullCompCmd MtrNm f32.value	0	0	

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

ActivePull_Per2

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Input Value $target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNin_f32$ $target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCompCmd_MtrNm_f32$ 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 **Expected Value** Name Actual Value Result PullCmp_PullCompCmd_HwNm_M_f32 0 0 0 0 PullCmp_ResetPer2_Cnt_M_lgc 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_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwlerestarget = 0.0000000000000000000000000000000000$	target_ActivePull_Per2_PullCmpLongTermIr	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNnerserver$	target_ActivePull_Per2_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	lm_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	

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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_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lge	c	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActi$	target_ActivePull_Per2_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_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)			V
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_DisableOutp	ut_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_Interpretation to the property of $	Hwh target_ActivePull_Per2_PullCmpLon	gTermIntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_Harget_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_Harget_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_Harget_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_Harget_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_Harget_Rte_Inst_Ap_ActivePull_ActivePull_ActivePull_ActivePull_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActive$	wNi target_ActivePull_Per2_PullCmpSho	TermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCn	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_HwNn	1_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*	

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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_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNarrow and the property of the p$	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActi$	target_ActivePull_Per2_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_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				V
Actual Function	Count	Expected Function	Count	Result
IntplVarXY u16 u16Xu16Y Cnt	1	IntplVarXY u16 u16Xu16Y Cnt	1	✓

Test Step 1.15 (Repeat Count = 1)			<i></i>
Name	Input Value		
PullCmp PullCompCmd HwNm M f32	*none*		
PullCmp PullCompStepSize HwNm M f32	*none*		
PullCmp ResetPer2 Cnt M Igc	*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	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_l	lgc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hverser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_ActivePull_Perser_Ap_ActivePull_Perser_Ap_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePull_Perser_ActivePullPull_Perser_ActivePullPullPullPullPullPullPullPullPullPul$	target_ActivePull_Per2_PullCmpLongTerm	IntgtrStOffs_HwNm_f32	
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpShoTermIntgtrStOffs Hwl	target_ActivePull_Per2_PullCmpShoTermli	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_Mtr	Nm_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	✓

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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_I	gc	
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpLongTermIntgtrStOffs HwN	target_ActivePull_Per2_PullCmpLongTerm	IntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpression (Continuous Continuous Contin$	target_ActivePull_Per2_PullCmpShoTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_Mtr	Nm_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)	v
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
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerror and the property of the p$	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per2_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_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_Igc	target_ActivePull_Per2_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerserserserserserserserserserserserserse$	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN$	target_ActivePull_Per2_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_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	



ActivePull_Per2

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_I	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgd	;	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActi$	target_ActivePull_Per2_PullCmpShoTermInto	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_t	732	
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
TS2.3 212.00 Cycles
TS2.4 204.00 Cycles
TS2.5 191.00 Cycles
TS2.6 191.00 Cycles
TS2.7 212.00 Cycles
TS2.7 212.00 Cycles
TS2.9 202.00 Cycles
TS2.10 212.00 Cycles
TS2.11 72.00 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
TS2.16 204.00 Cycles
TS2.17 796.00 Cycles
TS2.19 72.00 Cycles
TS2.19 72.00 Cycles
TS2.19 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==>Neg
TS2.9PullCmp_STComp_HwNm_M_f32==>Neg
TS2.10PullCmp_STComp_HwNm_M_f32==>Neg
TS2.11PullCmp_TComp_HwNm_f32==>Neg
TS2.11PullCmpLTComp_HwNm_f32==>Neg
TS2.11PullCmpLTComp_HwNm_f32==>Neg
TS2.13PullCmpLTComp_HwNm_f32==>Neg
TS2.14PullCmpLTComp_HwNm_f32==>Neg
TS2.16PullCmpLTComp_HwNm_f32==>Neg
TS2.16PullCmpLTComp_HwNm_f32==>Neg
TS2.16PullCmpLTComp_HwNm_f32==>Neg
TS2.16PullCmpLTComp_HwNm_f32==>Neg
TS2.18PullCmp_ResetPer2_Cnt_M_lgc==>Min
TS2.19PullCmp_PullCompStepSize_HwNm_M_f32==>Min
TS2.18PullCmp_PullCompStepSize_HwNm_M_f32==>Nes

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

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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_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lge	С	
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpLongTermIntgtrStOffs HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpul$	li 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		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerserserserserserserserserserserserserse$	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNormality and the property of the$	target_ActivePull_Per2_PullCmpShoTermInt	gtrStOffs_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_lq	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermI	ntgtrStOffs_HwNm_f32	
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpShoTermIntgtrStOffs HwNi	target_ActivePull_Per2_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_Mtrl	Nm_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_lo	gc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerserver$	target_ActivePull_Per2_PullCmpLongTerml	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpul$	target_ActivePull_Per2_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_Mtrl	Nm_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	~

ActivePull_Per2



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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_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lge		
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpLongTermIntgtrStOffs HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpression (Continuous Continuous Contin$	target_ActivePull_Per2_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_	732	
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	~

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
_VehSpdScaleTblY_Uls_u2p14[3]	16384
arget_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0
arget_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-1.7859
arget_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.7859
arget_ActivePull_Per2_VehicleSpeed_Kph_f32.value	300.982391
target_Pim_PullCmpLTComp_HwNm_f32	-1.7859

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lge	c	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActi$	target_ActivePull_Per2_PullCmpShoTermIntg	gtrStOffs_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	Resu	lt
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_I	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_H	wh target_ActivePull_Per2_PullCmpLongTerm	IntgtrStOffs_HwNm_f32	
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpShoTermIntgtrStOffs Hv	N target_ActivePull_Per2_PullCmpShoTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_Mtr	Nm_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)		V
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	

target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value

ActivePull_Per2

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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		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerserserserserserserserserserserserserse$	vh target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpression (Continuous Continuous Contin$	target_ActivePull_Per2_PullCmpShoTermIntg	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_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	~

Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	~

0.00401500007

0.00401500007

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_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwh	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	lm_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				V
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~



Test Step Call Trace
Actual Function

IntplVarXY_u16_u16Xu16Y_Cnt



Count Result

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_Igc	target_ActivePull_Per2_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNarrow and the property of the p$	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per2_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_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	~

Count Expected Function

IntplVarXY_u16_u16Xu16Y_Cnt

Name	Input Value		
PullCmp PullCompCmd HwNm M f32	-2.50399995		
PullCmp PullCompStepSize HwNm M f32	0.177000001		
PullCmp ResetPer2 Cnt M Igc	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_VehSpdScaleTbiY_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_I	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgd	:	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwName and the property of the pro$	Hwh target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActi$	wNi target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_t	32	
target Rte Inst Ap ActivePull.Pim PullCmpLTComp HwNm f32	target Pim PullCmpLTComp HwNm f32		
target_Inte_inst_Ap_Activerum.Fill_FullChipE1Comp_fiwinin_132	8		

-2.3269999

0

-2.3269999

0

PullCmp_PullCompCmd_HwNm_M_f32

PullCmp_ResetPer2_Cnt_M_lgc

ActivePull_Per2



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_Igc	target_ActivePull_Per2_PullCmpEna_Cnt_lg	С	
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpLongTermIntgtrStOffs HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNerser$	target_ActivePull_Per2_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_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

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_I	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_Igc	target_ActivePull_Per2_PullCmpEna_Cnt_lgd		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNarrow and the property of the p$	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePul$	target_ActivePull_Per2_PullCmpShoTermInto	gtrStOffs_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				V
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_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_	<u>lg</u> c	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hward and the property of the prop$	vt target_ActivePull_Per2_PullCmpLongTerm	IntgtrStOffs_HwNm_f32	
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpShoTermIntgtrStOffs Hw	N target_ActivePull_Per2_PullCmpShoTermI	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_Mt	rNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kpl	1_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	

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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	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_HwNerser_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerser_Ap_ActivePullActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerser_Ap_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActiv$	target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNnerserver$	target_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	lm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_	<u>f</u> 32	
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_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lg	lc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerserserserserserserserserserserserserse$	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpression (Continuous Continuous Contin$	target_ActivePull_Per2_PullCmpShoTermInt	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	lm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
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_lg	С		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwleres$	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32		
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per2_PullCmpShoTermInt	gtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	lm_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	~

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_DisableOut	put_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_Igc	target_ActivePull_Per2_PullCmpEna	a_Cnt_lgc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Interpretation the property of the$	_Hwh target_ActivePull_Per2_PullCmpLor	ngTermIntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_Interpretation and the property of $	HwN target_ActivePull_Per2_PullCmpShe	oTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompC	md_MtrNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpe	ed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNi	m_f32	
Name	Actual Value	Expected Value	Result
PullCmp_PullCompCmd_HwNm_M_f32	6.18849993	6.18849993	•
PullCmp ResetPer2 Cnt M lgc	0	0	•

ActivePull_Per2



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)			V
Name	Input Value		
PullCmp PullCompCmd HwNm M f32	-3.01079988		
PullCmp PullCompStepSize HwNm M f32	0.20000003		
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_l	lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lge	С	
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpLongTermIntgtrStOffs HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNerser$	target_ActivePull_Per2_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_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

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_	<u>Igc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lg	lc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwh	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN$	target_ActivePull_Per2_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	lm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_	<u>f</u> 32	
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 TS3.7 212.00 Cycles TS3.9 202.00 Cycles TS3.10 212.00 Cycles TS3.11 72.00 Cycles

Vector Description: Description

> TS3.1k_HwNmToMtrNm_MtrNmpHwNm_f32==>Min
> TS3.2k_HwNmToMtrNm_MtrNmpHwNm_f32==>Max
> TS3.3k_HwNmToMtrNm_MtrNmpHwNm_f32==>Pos/Default TS3.3k_HwNmToMtrNm_MtrNmpHwNm_132==>Pos/I TS3.4t_VehSpdScaleTblX_Kph_u9p7[4]==>Min TS3.5t_VehSpdScaleTblX_Kph_u9p7[4]==>Pos TS3.6t_VehSpdScaleTblX_Kph_u9p7[4]==>Pos TS3.7t_VehSpdScaleTblX_Kph_u9p7[4]==>Pofault 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

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_le	gc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hvalue and the property of the pro$	vt target_ActivePull_Per2_PullCmpLongTermI	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_Hwith the properties of the$	N target_ActivePull_Per2_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_Mtrl	Nm_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

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Name	Input Value		
t VehSpdScaleTblX Kph u9p7[0]	0		
t VehSpdScaleTblX Kph u9p7[1]	3840		
t VehSpdScaleTblX Kph u9p7[2]	7680		
	11520		
t_VehSpdScaleTblX_Kph_u9p7[3]			
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_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgr	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per2_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_		
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	~

est Step 3.3 (Repeat Count = 1)			•
ame	Input Value		
ullCmp_PullCompCmd_HwNm_M_f32	-1.4756		
ullCmp_PullCompStepSize_HwNm_M_f32	0.187000006		
ullCmp_ResetPer2_Cnt_M_lgc	1		
ullCmp_STComp_HwNm_M_f32	4		
te_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
_HwNmToMtrNm_MtrNmpHwNm_f32	0.0500000007		
VehSpdScaleTblX_Kph_u9p7[0]	0		
VehSpdScaleTblX_Kph_u9p7[1]	3840		
VehSpdScaleTblX_Kph_u9p7[2]	7680		
VehSpdScaleTblX_Kph_u9p7[3]	11520		
VehSpdScaleTblY_Uls_u2p14[0]	0		
VehSpdScaleTblY_Uls_u2p14[1]	4096		
VehSpdScaleTblY_Uls_u2p14[2]	16384		
VehSpdScaleTblY_Uls_u2p14[3]	16384		
rget_ActivePull_Per2_DisableOutput_Cnt_lgc.value	0		
rget_ActivePull_Per2_PullCmpEna_Cnt_lgc.value	1		
rget_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	4		
rget_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	4		
rget_ActivePull_Per2_VehicleSpeed_Kph_f32.value	27.5625		
rget_Pim_PullCmpLTComp_HwNm_f32	4		
rget_Rte_Inst_Ap_ActivePull.ActivePull_Per2_DisableOutput_Cnt_lgc	target_ActivePull_Per2_DisableOutput_Cnt_	<u>lg</u> c	
rget_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_Igc	target_ActivePull_Per2_PullCmpEna_Cnt_lg	IC .	
rget_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hw	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
rget_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
rget_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	lm_f32	
rget_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_	<u>f</u> 32	
rget_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
ame	Actual Value	Expected Value	Resul
ullCmp PullCompCmd HwNm M f32		I	
diiomp_r diioompomd_riwiviii_w_i32	-1.28859997	-1.28859997	
ullCmp_ResetPer2_Cnt_M_lgc	-1.28859997 0	-1.28859997 0	•

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_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lge	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpression (Continuous Continuous Contin$	target_ActivePull_Per2_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_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	~

Name	Input Value		
PullCmp PullCompCmd HwNm M f32	0.068599999		
PullCmp PullCompStepSize HwNm M f32	0.0199999996		
PullCmp ResetPer2 Cnt M Igc	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_l	gc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwith target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwith target_Rte_Inst_Ap_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActiv$	target_ActivePull_Per2_PullCmpLongTerml	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_Hw$	target_ActivePull_Per2_PullCmpShoTermIr	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_Mtr	Nm_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	0.050000007		
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_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lg	c	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hw	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNerserserserserserserserserserserserserse$	target_ActivePull_Per2_PullCmpShoTermInt	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	lm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_	<u>f</u> 32	
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

ActivePull_Per2



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_I	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lgo		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActi$	target_ActivePull_Per2_PullCmpShoTermIntg	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	m_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_VehicleSpeed_Kph_f32	target_ActivePull_Per2_VehicleSpeed_Kph_t	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					V
Α	ctual Function	Count	Expected Function	Count	Result
n	one	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]	ScaleTbIY_UIs_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_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lg	gc .	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerserserserserserserserserserserserserse$	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNinterpression (Continuous Continuous Contin$	target_ActivePull_Per2_PullCmpShoTermIn	tgtrStOffs_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	

target_ActivePull_Per2_PullCompCmd_MtrNm_f32.value

ActivePull Per2

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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_Per2_PullCmpLongTermIntgtrStOffs_HwN target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32 target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpShoTermIntqtrStOffs HwNi target_ActivePull_Per2_PullCmpShoTermIntqtrStOffs_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 $target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32$ $target_Pim_PullCmpLTComp_HwNm_f32$ Actual Value **Expected Value** Name Result PullCmp_PullCompCmd_HwNm_M_f32 1.8053 1.8053 PullCmp_ResetPer2_Cnt_M_lgc 0 0

Test Step Call Trace				~
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	~

0.0902649984

0.0902649984

Name	Innut Value		
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_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpEna_Cnt_lgc	target_ActivePull_Per2_PullCmpEna_Cnt_lg	c	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerserserserserserserserserserserserserse$	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpShoTermIntgtrStOffs_HwNerrestarget = 0.0000000000000000000000000000000000$	target_ActivePull_Per2_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCompCmd_MtrNm_f32	target_ActivePull_Per2_PullCompCmd_MtrN	lm_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	Resul
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				V
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_lg	jc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwleres$	target_ActivePull_Per2_PullCmpLongTermle	ntgtrStOffs_HwNm_f32	
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per2_PullCmpShoTermIn	tgtrStOffs_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				V
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	•

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ActivePull_Init1

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= -Dinline= -Dconst= -D_extern= -Dstatic= -I\$(PROJECTROOT)\ActivePull\tools\Contract -I\$(PROJECTROOT) \ActivePull\tools\Contract\Ap_ActivePull -I\$(PROJECTROOT)\NxtrLib\tinclude -I\$(PROJECTROOT)\StdDef\tinclude -I\$ (ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\tinclude
File	\$(PROJECTROOT)\ActivePull\src\Ap_ActivePull.c
Compiler Options	-D_DATA_ACCESS= -Dinline= -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

Name	Text
Module 'ActivePull'	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 Document:Active_Pull_Comp_MDD.docx Module Design Version: 14 Data Dictionary 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_[32" are not unit tested separately as those are tested in "ActivePull_Per1" functio Please refer the snapshot "ActivePull_ActivePullCmp_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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>

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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
TS1.3 1947.00 Cycles
TS1.3 1947.00 Cycles
TS1.4 1947.00 Cycles
TS1.5 1947.00 Cycles
TS1.5 1947.00 Cycles
TS1.6 1947.00 Cycles
TS1.7 1947.00 Cycles
TS1.9 1947.00 Cycles
TS1.10 1947.00 Cycles
TS1.11 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
TS1.15 1947.00 Cycles
TS1.17 1947.00 Cycles
TS1.18 1947.00 Cycles
TS1.19 1947.00 Cycles
TS1.19 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
TS1.29 1947.00 Cycles
TS1.21 1947.00 Cycles
TS1.21 1947.00 Cycles
TS1.23 1947.00 Cycles
TS1.23 1947.00 Cycles
TS1.24 1947.00 Cycles
TS1.25 1947.00 Cycles
TS1.27 1947.00 Cycles
TS1.28 1947.00 Cycles
TS1.29 1947.00 Cycles
TS1.31 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

TS1.2All Max
TS1.3k_TotalLimit_HwNm_f32==>Min/Default
TS1.4k_TotalLimit_HwNm_f32==>Max
TS1.5k_TotalLimit_HwNm_f32==>Pos
TS1.5k_TotalLimit_HwNm_f32==>Min
TS1.5k_TotalLimit_HwNm_f32==>Min
TS1.7k_LTLimit_HwNm_f32==>Max
TS1.8k_LTLimit_HwNm_f32==>Min
TS1.9k_STLimit_HwNm_f32==>Min
TS1.10k_STLimit_HwNm_f32==>Default
TS1.10k_STLimit_HwNm_f32==>Default
TS1.11k_STLimit_HwNm_f32==>Default
TS1.12k_STLimit_HwNm_f32==>Default
TS1.13k_STRampTime_Sec_f32==>Min
TS1.14k_STRampTime_Sec_f32==>Default
TS1.15k_STRampTime_Sec_f32==>Default
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

TS1.19k_OutputMaxRate_HwNmpS_f32==>Pos TS1.20k_HwTrqFilt_Hz_f32==>Min TS1.21k_HwTrqFilt_Hz_f32==>Max

TS1.21k_HwTrqFill_Hz_32==>Max
TS1.22k_HwTrqFill_Hz_f32==>Pos
TS1.23k_HwTrqFill_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==>Max
TS1.30k_TFilt_Hz_f32==>Min
TS1.31k_LTFilt_Hz_f32==>Min
TS1.31k_LTFilt_Hz_f32==>Min
TS1.31k_LTFilt_Hz_f32==>Max

TS1.32k_LTFilt_Hz_f32==>Max TS1.33k_LTFilt_Hz_f32==>Pos/Default

Name	Input Value		
k_HwTrqFilt_Hz_f32	0.100000001		
k_LTFilt_Hz_f32	0.0099999978		
k_LTLimit_HwNm_f32	0		
k_OutputMaxRate_HwNmpS_f32	0		
k_STFilt_Hz_f32	0.0099999978		
k_STLimit_HwNm_f32	0		
k_STRampTime_Sec_f32	0.10000001		
k_TotalLimit_HwNm_f32	0		
k_YawRateFilt_Hz_f32	0.10000001		
Name	Actual Value	Expected Value	Resul
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 lqc	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	0.20000003	0.20000003	✓
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	0.20000003	0.20000003	✓
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.0020000009	~
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✓

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

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	Resul
PullCmp_LTWindUpLimit_HwNm_M_f32	0.5	0.5	
PullCmp_PullCompStepSize_HwNm_M_f32	0.20000003	0.20000003	
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.0020000009	
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	0.20000003	0.20000003	✓
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	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	~

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	0.20000003	0.20000003	•
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.00200000009	•
PullCmp SetRamBlkSts Cnt M lqc			

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

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	Resul
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	•
PullCmp_PullCompStepSize_HwNm_M_f32	0.20000003	0.20000003	•
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.0020000009	•
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	0.20000003	0.20000003	✓
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.0020000009	~
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	0.20000003	0.20000003	✓
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	~

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	Resul
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	•
PullCmp_PullCompStepSize_HwNm_M_f32	0.20000003	0.20000003	
PullCmp_STStepSize_HwNm_M_f32	0.020000014	0.020000014	
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	0.20000003	✓
PullCmp_STStepSize_HwNm_M_f32	0.0069330004	0.0069330004	~
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✓

Test Step Call Trace				V
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	0.20000003	0.20000003	✓
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.0020000009	~
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	~

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

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	0.10000001		
k_TotalLimit_HwNm_f32	0		
k_YawRateFilt_Hz_f32	3		
Name	Actual Value	Expected Value	Resul
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	•
PullCmp_PullCompStepSize_HwNm_M_f32	0.20000003	0.20000003	•
PullCmp_STStepSize_HwNm_M_f32	0.020000014	0.020000014	
PullCmp SetRamBlkSts Cnt M lgc	1	1	•





Test Step Call Trace				V
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	6.6666674e-005	6.6666674e-005	~
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✓

Test Step Call Trace				V
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	20			
k_LTFilt_Hz_f32	0.5				
k_LTLimit_HwNm_f32	0.5				
k_OutputMaxRate_HwNmpS_f32	100	100			
k_STFilt_Hz_f32	0.5	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	0.20000003	0.20000003	✓		
PullCmp_STStepSize_HwNm_M_f32	8.60788932e-005	8.60788932e-005	✓		
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✓		

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

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	Resul
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	•
PullCmp_PullCompStepSize_HwNm_M_f32	0.20000003	0.20000003	•
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)			A
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	0.0020000009	0.00200000009	✓
PullCmp SetRamBlkSts Cnt M lqc	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	0.20000003	0.20000003	✓
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.0020000009	~
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	•

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

Name	Input Value				
k_HwTrqFilt_Hz_f32	20				
k_LTFilt_Hz_f32	0.5				
k_LTLimit_HwNm_f32	0.5	0.5			
k_OutputMaxRate_HwNmpS_f32	35.3451996				
k_STFilt_Hz_f32	0.5				
k_STLimit_HwNm_f32	1	1			
k_STRampTime_Sec_f32	1				
k_TotalLimit_HwNm_f32	0				
k_YawRateFilt_Hz_f32	3				
Name	Actual Value	Expected Value	Resul		
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	•		
PullCmp_PullCompStepSize_HwNm_M_f32	0.0706904009	0.0706904009	•		
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	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	0.10000001		
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	0.20000003	0.20000003	~
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.00200000009	~
PullCmp SetRamBlkSts Cnt M lac	1	1	✓

Test Step Call Trace				V
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	0.20000003	0.20000003	✓
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	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	~

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	Resu
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	
PullCmp_PullCompStepSize_HwNm_M_f32	0.20000003	0.20000003	
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.0020000009	
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	0.20000003	0.20000003	~
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.00200000009	~
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	~

Test Step Call Trace				V
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	0.10000001		
Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✓
PullCmp_PullCompStepSize_HwNm_M_f32	0.20000003	0.20000003	✓
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.0020000009	✓
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	✓

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

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	Resul
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	
PullCmp_PullCompStepSize_HwNm_M_f32	0.20000003	0.20000003	•
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.00200000009	•
PullCmp SetRamBlkSts Cnt M lgc	1	1	





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

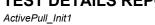
Test Step 1.26 (Repeat Count = 1)			✓
Name	Input Value		
k_HwTrqFilt_Hz_f32	20		
k_LTFilt_Hz_f32	0.5		
k_LTLimit_HwNm_f32	0.5		
k_OutputMaxRate_HwNmpS_f32	100		
k_STFilt_Hz_f32	0.5		
k_STLimit_HwNm_f32	1		
k_STRampTime_Sec_f32	1		
k_TotalLimit_HwNm_f32	0		
k_YawRateFilt_Hz_f32	29.3451004		
Name	Actual Value	Expected Value	Result
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	✓
PullCmp_PullCompStepSize_HwNm_M_f32	0.20000003	0.20000003	✓
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	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	0.20000003	0.20000003	✓
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	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	~

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	0.0099999978		
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	Resul
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	•
PullCmp_PullCompStepSize_HwNm_M_f32	0.20000003	0.20000003	•
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.00200000009	•
PullCmp SetRamBlkSts Cnt M lgc	1	1	





Test Step Call Trace				V
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	0.20000003	0.20000003	✓
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.0020000009	~
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	•

Test Step Call Trace				V
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	0.20000003	0.20000003	~
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.00200000009	~
PullCmp_SetRamBlkSts_Cnt_M_lgc	1	1	~

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

Name	Input Value		
k_HwTrqFilt_Hz_f32	20		
k_LTFilt_Hz_f32	0.0099999978		
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	Resul
PullCmp_LTWindUpLimit_HwNm_M_f32	0	0	•
PullCmp_PullCompStepSize_HwNm_M_f32	0.20000003	0.20000003	•
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.00200000009	•
PullCmp SetRamBlkSts Cnt M lgc	1	1	

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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	0.20000003	0.20000003	✓
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)			<u> </u>
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	0.20000003	0.20000003	✓
PullCmp_STStepSize_HwNm_M_f32	0.0020000009	0.0020000009	✓
PullCmp_SetRamBlkSts_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_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= -Dinline= -Dconst= -D_extern= -Dstatic= -I\$(PROJECTROOT)\ActivePull\tools\Contract\-I\$(PROJECTROOT)\ActivePull\tools\Contract\-I\$(PROJECTROOT)\NxtrLib\tinclude -I\$(PROJECTROOT)\StdDef\tinclude -I\$(PROJECTROOT)\StdDef\tinclude -I\$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\tinclude
File	\$(PROJECTROOT)\ActivePull\src\Ap_ActivePull.c
Compiler Options	-D_DATA_ACCESS= -Dinline= -Dconst= -D_extern= -Dstatic= -I\$(PROJECTROOT)\ActivePull\tools\Contract\-I\$(PROJECTROOT)\ActivePull\tools\Contract\-I\$(PROJECTROOT)\NxtrLib\tinclude -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Descrip	·
Name	Text
Module 'ActivePull'	Name of Tester:Pradnya Mhatre Code File(s) Under Test:Ap_ActivePull.c Code File(s) Version :22 Module Design Document:Active_Pull_Comp_MDD.docx 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 "RotivePull 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	<pre>\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5</pre>
Float Precision	9
InitObjDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>
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	<pre>\$(ProgramFiles)\pls\UDE 4.4</pre>				
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

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

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

Vector Description 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_ActivePu	ıll	
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_ActivePu	ıll	
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_ActivePu	ıll	
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	et_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_ActiveP	ull	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTCom	p_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	~

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 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= -Dinline= -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= -Dinline= -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

Name	Text
Module 'ActivePull'	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 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_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

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ActivePull_Trns1



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: Range Test

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

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	e_GetSystemTime_mS_u32_CurrentTime	
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTiresupplies and the property of the pr$	n 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_SystemTi	me_GetSystemTime_mS_u32_CurrentTime	
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_Current7	im 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				V
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_ActivePu	ll_SystemTime_GetSystemTime_mS_u32_Current	Time
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_Current and the property of th$	ntTim 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	~



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= -Dinline= -Dconst= -D_extern= -Dstatic= -I\$(PROJECTROOT)\ActivePull\tools\Contract\-I\$(PROJECTROOT)\ActivePull\tools\Contract\-I\$(PROJECTROOT)\NxtrLib\tinclude -I\$(PROJECTROOT)\StdDef\tinclude -I\$(PROJECTROOT)\StdDef\tinclude -I\$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\tinclude
File	\$(PROJECTROOT)\ActivePull\src\Ap_ActivePull.c
Compiler Options	-D_DATA_ACCESS= -Dinline= -Dconst= -D_extern= -Dstatic= -I\$(PROJECTROOT)\ActivePull\tools\Contract\-I\$(PROJECTROOT)\ActivePull\tools\Contract\-I\$(PROJECTROOT)\NxtrLib\tinclude -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Name	Text
Module 'ActivePull'	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 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" functio Please refer the snapshot "ActivePull Per1" overage". NOTE5:In Inction "ActvCPull_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: Range Test

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

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

Vector Description 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			V	
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 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	~	

ActivePull_Per3

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 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= -Dinline= -Dconst= -D_extern= -Dstatic= -I\$(PROJECTROOT)\ActivePull\tools\Contract\-I\$(PROJECTROOT)\ActivePull\tools\Contract\-I\$(PROJECTROOT)\NxtrLib\tinclude -I\$(PROJECTROOT)\StdDef\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= -Dinline= -Dconst= -D_extern= -Dstatic= -I\$(PROJECTROOT)\ActivePull\tools\Contract\-I\$(PROJECTROOT)\ActivePull\tools\Contract\-I\$(PROJECTROOT)\NxtrLib\tinclude -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Name	Text
Module 'ActivePull'	Mame 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 Document:Active_Pull_Comp_MDD.docx 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 "ActivePull_Per1" and "CalcIntGain_152" are not unit tested separately as those are tested in "ActivePull_Per1" functio Please refer the snapshot "ActivePull_Per3" output variable "PullCmp_VehSpdRate_KphpS_M_132" 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

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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
TS1.5 327.00 Cycles
TS1.6 329.00 Cycles
TS1.7 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
TS1.15 284.00 Cycles
TS1.16 56.00 Cycles
TS1.17 270.00 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 IS1.5veniciespeed_kpii_is2==>Min TS1.6HwTorque_HwNm_f32==>Min TS1.7HwTorque_HwNm_f32==>Pos TS1.8HwTorque_HwNm_f32==>Pos TS1.9HwTorque_HwNm_f32==>Zero TS1.10HwTorque_HwNm_f32==>Neg

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_Hwf	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_Igc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt HwNm	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_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 ± 0.000000007450580596923828125	•
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	✓

-5110

0

-5110

0 ± 0.00048828125

 $target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value$

PullCmp_VehSpdRate_KphpS_M_f32





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 UIs 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 Hwh	target_ActivePull_Per2_PullCmpLongTermIr	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIr	tgtrSt_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 ± 0.00000007450580596923828125	•
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_HwNerser_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerser_Ap_ActivePullActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerser_Ap_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActiv$	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm$	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_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 ± 0.000000007450580596923828125	•
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					V
1	Actual Function	Count	Expected Function	Count	Result
*	none*	0	*** No Call Expected ***	0	~

Test Step 1.4 (Repeat Count = 1) Name	Input Value		
	- I - I		
PullCmp_EnableLearn_Cnt_M_lgc	*none*		
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_UIs_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*		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hvalue and the property of the pro$	vt target_ActivePull_Per2_PullCmpLongTermI	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lo	gc	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt HwNm	target_ActivePull_Per3_PullCmpLongTermI	ntgtrSt_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	Resul
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 ± 0.000000007450580596923828125	•
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	
PullCmp PrevVehSpd Kph M f32	511	511	
PullCmp ResetPer3 Cnt M lgc	0	0	٠,
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 Igc	*none*		
PullCmp SComLTCompSet Cnt M Igc	*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 Igc.value	1		
target ActivePull Per3 VehicleSpeed Kph f32.value	233.320007		
target Pim PullCmpLTComp HwNm f32	*none*		
target Rte Inst Ap ActivePull.ActivePull Per2 PullCmpLongTermIntgtrSt		npLongTermIntgtrStOffs HwNm f32	
target Rte Inst Ap ActivePull.ActivePull Per3 HwTorque HwNm f32	target ActivePull Per3 HwTor	· · ·	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpEna Cnt Igc	target ActivePull Per3 PullCm	. – –	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt		npLongTermIntgtrSt HwNm f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_Vehicle		
target_Rte_Inst_Ap_Activerull.Pim_PullCmpLTComp_HwNm_f32	target Pim PullCmpLTComp		
Name	Actual Value	Expected Value	Resu
			Resu
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_UIs_f32	-0.100684881	-0.100684881 ± 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	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*	

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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_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_interpretations and the properties of the p$	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_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 ± 0.000000007450580596923828125	~
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_Hw	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_t	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwN$	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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 ± 0.00000007450580596923828125	~
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 Igc	*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_Hw	target_ActivePull_Per2_PullCmpLongTerml	ntgtrStOffs_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_PullCmpLongTerml	ntgtrSt_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 ± 0.000000007450580596923828125	•
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*	

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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_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_tracking$	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_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 ± 0.000000007450580596923828125	•
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_Hwl	target_ActivePull_Per2_PullCmpLongTerml	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_Igc	target_ActivePull_Per3_PullCmpEna_Cnt_lo	gc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm$ IntgtrSt_HwNm_IntgtrSt_	target_ActivePull_Per3_PullCmpLongTerml	ntgtrSt_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 ± 0.000000007450580596923828125	~
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	✓
PullCmp_PrevVehSpd_Kph_M_f32	118.877098	118.877098	✓
PullCmp_ResetPer3_Cnt_M_lgc	0	0	~





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_Hwl	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_	732	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_Igc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	C	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm$	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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 ± 0.000000007450580596923828125	•
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	~

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_Hwl	target_ActivePull_Per2_PullCmpLongTerm	ntgtrStOffs_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_I	gc	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt HwNm	target_ActivePull_Per3_PullCmpLongTerm	ntgtrSt_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 ± 0.000000007450580596923828125	•
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)	Innut Value		
Name	Input Value		
PullCmp_EnableLearn_Cnt_M_lgc	*none*		
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_UIs_f32	*none*		
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_UIs_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 I	Hwh target_ActivePull_Per2_PullCmpLongTe	rmIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwN	lm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cr	nt_lgc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNnerserver$	m_i target_ActivePull_Per3_PullCmpLongTe	rmIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_k	(ph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f3	2	
Name	Actual Value	Expected Value	Resul
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 ± 0.000000007450580596923828125	,
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	
PullCmp_PrevVehSpd_Kph_M_f32	228.478699	228.478699	





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_Hwf	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm$ IntgtrSt_HwNm_IntgtrSt_	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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 ± 0.000000007450580596923828125	•
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*	

ActivePull_Per3



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_PullCmpLongTermIr	tgtrStOffs_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_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_interpretations and the property of the property $	target_ActivePull_Per3_PullCmpLongTermIr	tgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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)			9
Name	Input Value		
PullCmp EnableLearn Cnt M Igc	*none*		
PullCmp HwTorqueLTSV HwNm M Str.SV UIs 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*		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerser$	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_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_Igc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	jc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_interpretations and the property of the property $	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_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	~

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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					V
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_HwNerser_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerser_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerser_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerser_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNerser_Ap_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActi$	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_Igc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm$ IntgtrSt_HwNm_IntgtrSt_	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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 ± 0.000000007450580596923828125	~
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					
Acti	ual Function	Count	Expected Function	Count	Result
non	ne	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
TS2.5 327.00 Cycles
TS2.5 327.00 Cycles
TS2.6 329.00 Cycles
TS2.6 329.00 Cycles
TS2.7 56.00 Cycles
TS2.8 56.00 Cycles
TS2.10 380.00 Cycles
TS2.11 56.00 Cycles
TS2.11 56.00 Cycles
TS2.12 284.00 Cycles
TS2.13 370.00 Cycles
TS2.13 56.00 Cycles
TS2.14 56.00 Cycles
TS2.15 56.00 Cycles
TS2.15 56.00 Cycles
TS2.16 56.00 Cycles
TS2.17 270.00 Cycles
TS2.18 56.00 Cycles
TS2.19 56.00 Cycles
TS2.19 56.00 Cycles
TS2.21 56.00 Cycles
TS2.20 56.00 Cycles
TS2.21 56.00 Cycles
TS2.22 55.00 Cycles
TS2.23 55.00 Cycles
TS2.24 56.00 Cycles
TS2.25 56.00 Cycles
TS2.27 56.00 Cycles
TS2.28 52.00 Cycles
TS2.29 56.00 Cycles
TS2.30 300.00 Cycles
TS2.31 56.00 Cycles
TS2.33 56.00 Cycles
TS2.34 56.00 Cycles
TS2.35 56.00 Cycles
TS2.37 56.00 Cycles
TS2.38 374.00 Cycles
TS2.39 56.00 Cycles
TS2.39 56.00 Cycles
TS2.30 377.00 Cycles
TS2.30 377.00 Cycles
TS2.31 56.00 Cycles
TS2.33 56.00 Cycles
TS2.34 56.00 Cycles
TS2.35 56.00 Cycles
TS2.37 56.00 Cycles
TS2.38 374.00 Cycles
TS2.39 56.00 Cycles
TS2.39 56.00 Cycles
TS2.40 367.00 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==>Min
TS2.5PullCmp_SComLTCompSet_Cnt_M_lgc==>Min
TS2.5PullCmp_SComLTComp_HwNm_M_f32==>Min
TS2.6PullCmp_SComLTComp_HwNm_M_f32==>Max
TS2.5PullCmp_SComLTComp_HwNm_M_f32==>Pos
TS2.8PullCmp_SComLTComp_HwNm_M_f32==>Neg
TS2.1PullCmp_SComLTComp_HwNm_M_f32==>Neg
TS2.1PullCmp_SComLTComp_HwNm_M_f32==>Neg
TS2.1PullCmp_HwTorqueLTSV_HwNm_M_Str.K==>Max
TS2.12PullCmp_HwTorqueLTSV_HwNm_M_Str.SV==>Min
TS2.14PullCmp_HwTorqueLTSV_HwNm_M_Str.SV==>Max
TS2.15PullCmp_HwTorqueLTSV_HwNm_M_Str.SV==>Max
TS2.15PullCmp_HwTorqueLTSV_HwNm_M_Str.SV=>>Pos
TS2.16PullCmp_HwTorqueLTSV_HwNm_M_Str.SV=>>Pos
TS2.16PullCmp_HwTorqueLTSV_HwNm_M_Str.SV=>>Pos
TS2.16PullCmp_HwTorqueLTSV_HwNm_M_Str.SV=>>Pos
TS2.19PullCmp_HwTorqueLTSV_HwNm_M_Str.SV=>>Pos
TS2.19PullCmp_HwTorqueLTSV_HwNm_M_Str.SV=>>Pos
TS2.19PullCmp_TevLTLearnTime_Min_M_u16==>Min
TS2.19PullCmp_PrevLTLearnTime_Min_M_u16==>Pos
TS2.21PullCmp_LTIntGain_UIs_M_f32==>Max
TS2.22PullCmp_LTIntGain_UIs_M_f32==>Pos
TS2.24PullCmp_LTIntGain_UIs_M_f32==>Pos
TS2.24PullCmp_LTIntGain_UIs_M_f32==>Pos
TS2.24PullCmp_LTComp_HwNm_f32==>Pos
TS2.25PullCmp_TComp_HwNm_f32==>Neg
TS2.25PullCmp_TComp_HwNm_f32==>Neg
TS2.25PullCmp_TComp_HwNm_f32==>Neg
TS2.25PullCmp_TComp_HwNm_f32==>Neg
TS2.25PullCmp_PrevVehSpd_Kph_M_f32==>Min
TS2.30PullCmp_PrevVehSpd_Kph_M_f32==>Min
TS2.35PullCmp_EnableLearn_Cnt_M_Igc==>Max
TS2.35PullCmp_LTWindUpLimit_HwNm_M_f32==>Min
TS2.35PullCmp_LTWindUpLimit_HwNm_M_f32==>Min
TS2.35PullCmp_LTWindUpLimit_HwNm_M_f32==>Max
TS2.36PullCmp_LTWindUpLimit_HwNm_M_f32==>Max
TS2.36PullCmp_LTWindUpLimit_HwNm_M_f32==>Max
TS2.36PullCmp_LTWindUpLimit_HwNm_M_f32==>Max
TS2.36PullCmp_LTWindUpLimit_HwNm_M_f32==>Max
TS2.36PullCmp_LTWindUpLimit_HwNm_M_f32==>Max
TS2.36PullCmp_STComp_HwNm_M_f32==>Neg
TS2.41PullCmp_STComp_HwNm_M_f32==>Neg
TS2.41PullCmp_STComp_HwNm_M_f32==>Neg
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_UIs_f32 -1.88728964 PullCmp_HwTorqueLTSV_HwNm_M_Str.K_UIs_f32 0.0966849327 PullCmp_LTIntGain_UIs_M_f32 0.000310642994 PullCmp_LTWindUpLimit_HwNm_M_f32 3.75629997

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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		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwleres$	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	732	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	c	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_$	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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 ± 0.000000007450580596923828125	~
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)			V
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_Hwf	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_t	f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	jc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm$ IntgtrSt_HwNm_IntgtrSt_	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_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 ± 0.000000007450580596923828125	•
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	

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lge	C	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_tracking$	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_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 ± 0.00000007450580596923828125	•
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		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hw$	target_ActivePull_Per2_PullCmpLongTerml	ntgtrStOffs_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_lo	gc	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt HwNm	target_ActivePull_Per3_PullCmpLongTerml	ntgtrSt_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	Resul
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 ± 0.000000007450580596923828125	•
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					V
Act	tual Function	Count	Expected Function	Count	Result
no	ne	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_Hv	target_ActivePull_Per2_PullCmpLongTerml	ntgtrStOffs_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_Igc	target_ActivePull_Per3_PullCmpEna_Cnt_lo	gc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermInt$	target_ActivePull_Per3_PullCmpLongTerml	ntgtrSt_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 ± 0.000000007450580596923828125	~
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 Co				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

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lge	c	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_tracking$	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_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 ± 0.00000007450580596923828125	•
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	Resul	t
none	0	*** No Call Expected ***	0	•	ē

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_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs$	Hwh target_ActivePull_Per2_PullCmpLong	TermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_H	wNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_Igc	target_ActivePull_Per3_PullCmpEna_	Cnt_lgc	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt HwN	m target_ActivePull_Per3_PullCmpLong	TermIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed	I_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_	_f32	
Name	Actual Value	Expected Value	Resul
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 ± 0.000000007450580596923828125	•
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					V
Act	tual Function	Count	Expected Function	Count	Result
no	ne	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_Hwh	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_t	f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	jc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_target_Rte_Inst_Ap_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActiv$	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_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 ± 0.000000007450580596923828125	•
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				V
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		

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lge	C	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_tracking$	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_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 ± 0.00000007450580596923828125	•
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	0.10000001	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_H	wh target_ActivePull_Per2_PullCmpLongTern	nIntgtrStOffs_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_Igc	target_ActivePull_Per3_PullCmpEna_Cnt_	lgc	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt HwNi	m target ActivePull Per3 PullCmpLongTern	nIntgtrSt HwNm f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kp	n_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
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 ± 0.000000007450580596923828125	
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					V
Act	tual Function	Count	Expected Function	Count	Result
no	ne	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_Hwh	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_t	732	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	c	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_interpretations and the property of the property $	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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 ± 0.000000007450580596923828125	•
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

ActivePull_Per3

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Input Value target_Rte_Inst_Ap_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwh 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 $target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_frame and the property of the pro$ $target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32$ 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 Actual Value Result Name **Expected Value** -7.56787252 PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32 -7.56787252 ± 0.00048828125 5.00000024e-005 ± 0.000000007450580596923828125 PullCmp_LTIntGain_Uls_M_f32 5.00000024e-005 45 ± 1 $PullCmp_PrevLTLearnTime_Min_M_u16$ 45 PullCmp_PrevVehSpd_Kph_M_f32 206.6194 206.6194 PullCmp_ResetPer3_Cnt_M_lgc n n PullCmp_SComLTCompSet_Cnt_M_lgc 0 -2295.10083 -2295.10107 PullCmp_VehSpdRate_KphpS_M_f32 $target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value$ 0.789100051 0.789100051 ± 0.00048828125 $target_Pim_PullCmpLTComp_HwNm_f32$ 0.789100051 0.789100051 ± 0.00390625

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

Test Step 2.13 (Repeat Count = 1)	Innut Value		
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	0.10000001		
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_H	wh target ActivePull Per2 PullCmpLongTer	mIntgtrStOffs HwNm f32	
target Rte Inst Ap ActivePull.ActivePull Per3 HwTorque HwNm f32	target ActivePull Per3 HwTorque HwNr		
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpEna Cnt Igc	target ActivePull Per3 PullCmpEna Cnt	: Igc	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt HwNn			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_K	,	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
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 ± 0.000000007450580596923828125	•
PullCmp PrevLTLearnTime Min M u16	45	45 ± 1	
PullCmp_PrevVehSpd_Kph_M_f32	399.101013	399.101013	
PullCmp ResetPer3 Cnt M Igc	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	٠,

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_Hwf	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	732	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	c	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm$	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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 ± 0.000000007450580596923828125	~
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

ActivePull_Per3

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Input Value target_Rte_Inst_Ap_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwh 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 $target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_frame and the property of the pro$ $target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32$ 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 Actual Value Result Name **Expected Value** 0.954882622 PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32 0.954882622 ± 0.00048828125 5.00000024e-005 ± 0.000000007450580596923828125 PullCmp_LTIntGain_Uls_M_f32 5.00000024e-005 45 ± 1 $PullCmp_PrevLTLearnTime_Min_M_u16$ 45 PullCmp_PrevVehSpd_Kph_M_f32 192.397202 192.397202 PullCmp_ResetPer3_Cnt_M_lgc n n PullCmp_SComLTCompSet_Cnt_M_lgc 0 PullCmp_VehSpdRate_KphpS_M_f32 -2053.51489 -2053.51489 $target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value$ 0 0 ± 0.00048828125 0 ± 0.00390625 $target_Pim_PullCmpLTComp_HwNm_f32$ 0

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	0.10000001	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	-3.70510006		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs$	_Hwh target_ActivePull_Per2_PullCmp	pLongTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorq	ue_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmp	pEna_Cnt_lgc		
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt Hw	Nm target_ActivePull_Per3_PullCmp	pLongTermIntgtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_Vehicle	Speed_Kph_f32		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_H	lwNm_f32		
Name	Actual Value	Expected Value	Resul	
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 ± 0.000000007450580596923828125	•	
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					
Act	tual Function	Count	Expected Function	Count	Result
no	ne	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		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwleres$	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_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_lg	jc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTerMIntgtrSt_Hw$	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_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 ± 0.000000007450580596923828125	•
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		

ActivePull_Per3

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Input Value target_Rte_Inst_Ap_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwh 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 $target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_frame and the property of the pro$ $target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32$ 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 Actual Value Result Name **Expected Value** -11.9668999 PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_Uls_f32 -11.9668999 ± 0.00048828125 5.00000024e-005 ± 0.000000007450580596923828125 PullCmp_LTIntGain_Uls_M_f32 5.00000024e-005 $PullCmp_PrevLTLearnTime_Min_M_u16$ 45 45 ± 1 PullCmp_PrevVehSpd_Kph_M_f32 373.350708 373.350708 PullCmp_ResetPer3_Cnt_M_lgc n n PullCmp_SComLTCompSet_Cnt_M_lgc 0 0 PullCmp_VehSpdRate_KphpS_M_f32 0 0 -2.43396997 $target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value$ -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		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Factors and the property of the pr$	wh target_ActivePull_Per2_PullCmpLongTern	nIntgtrStOffs_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 HwNr	target_ActivePull_Per3_PullCmpLongTern	nIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kp	h_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
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 ± 0.000000007450580596923828125	•
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					
Act	tual Function	Count	Expected Function	Count	Result
no	ne	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_Hw	target_ActivePull_Per2_PullCmpLongTermli	ntgtrStOffs_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_lg	gc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwN$	target_ActivePull_Per3_PullCmpLongTermli	ntgtrSt_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 ± 0.000000007450580596923828125	•
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		

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lge	C	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_tracking$	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_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 ± 0.00000007450580596923828125	•
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	~

T (0) 000 (D (0) (1)			
Test Step 2.22 (Repeat Count = 1)	Innert Walter		,
Name	Input Value		
PullCmp_EnableLearn_Cnt_M_lgc	ļ*		
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_UIs_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_Igc	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_F	wh target_ActivePull_Per2_PullCmpLongTerm	IntgtrStOffs_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 Igc	target ActivePull Per3 PullCmpEna Cnt	lgc	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt HwNi		•	
target Rte Inst Ap ActivePull.ActivePull Per3 VehicleSpeed Kph f32	target ActivePull Per3 VehicleSpeed Kpl		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
PullCmp HwTorqueLTSV HwNm M Str.SV UIs f32	4.35420036	4.35420036 ± 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	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	٠,
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-1.25139999	-1.25139999 ± 0.00048828125	
target Pim PullCmpLTComp HwNm f32	-1.25139999	-1.25139999 ± 0.00390625	٠,

Test Step Call Trace					✓
Act	tual Function	Count	Expected Function	Count	Result
no	ne	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_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_tracking$	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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	-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

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwh	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	C	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_target_Rte_Inst_Ap_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActiv$	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_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 ± 0.00000007450580596923828125	•
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 lqc	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	0.10000001		
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_PullCmpLongTermIntgtrStOf	ffs_Hwl target_ActivePull_Per2_PullCm	pLongTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTon	que_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCm	pEna_Cnt_lgc	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt F	HwNm target_ActivePull_Per3_PullCm	pLongTermIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_Vehicle	Speed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_I	HwNm_f32	
Name	Actual Value	Expected Value	Resu
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 ± 0.000000007450580596923828125	
PullCmp_PrevLTLearnTime_Min_M_u16	45	45 ± 1	•
PullCmp_PrevVehSpd_Kph_M_f32	255.212402	255.212402	٠ ا
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					✓
Act	tual Function	Count	Expected Function	Count	Result
no	ne	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_Hwh	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_interpretations and the property of the property $	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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 ± 0.000000007450580596923828125	~
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	~

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		

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwh	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_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_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs$	Hwh target_ActivePull_Per2_PullCmpLo	ongTermIntgtrStOffs_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_PullCmpEr	na_Cnt_lgc	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt Hwl	Nm target_ActivePull_Per3_PullCmpLo	ongTermIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpo	eed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwN	Nm_f32	
Name	Actual Value	Expected Value	Resul
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					✓
Act	tual Function	Count	Expected Function	Count	Result
no	ne	0	*** No Call Expected ***	0	~

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ActivePull_Per3

- 101 000 P 10 10	26	
Test Step 2.29 (Repeat Count = 1)	000	✓
Name	Input Value 500	
PullCmp_EnableLearn_Cnt_M_lgc	0	
BullCmp_Hwp_cPreveLTISternfrintetV_Mrr&tC8tV_Uls_fg2	-12.0916853	
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	1,	
PullCmp_LTIntGain_Uls_M_f32	1 ^P .87999995e-005	
PullCmp_LTWindUpLimit_HwNm_M_f32	4	
PullCmp PrevLTLearnTim4V rn Cnt M loc		

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lge	c	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_tracking$	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_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 ± 0.00000007450580596923828125	•
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	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_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs_InterpLongTermIntgtrStOffs$	Hwh target_ActivePull_Per2_PullCmpLongT	ermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_Hw	Nm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_0	Cnt_lgc	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt HwN	m target_ActivePull_Per3_PullCmpLongT	ermIntgtrSt_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_t	f32	
Name	Actual Value	Expected Value	Resul
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	-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					✓
Act	tual Function	Count	Expected Function	Count	Result
no	ne	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_Hwh	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_target_Rte_Inst_Ap_ActivePull_RterModels (App_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_target_Rte_Inst_Ap_ActivePull_RterModels (App_ActivePull_RterModels (App_ActivePull (Ap$	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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 ± 0.000000007450580596923828125	•
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

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_tracking$	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_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 ± 0.000000007450580596923828125	•
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 Igc	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		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hw$	target_ActivePull_Per2_PullCmpLongTerml	ntgtrStOffs_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_lo	gc	
$target \ \ Rte \ \ Inst \ \ Ap \ \ Active Pull. Active Pull \ \ Per 3 \ \ Pull CmpLong TermInt gtr St \ \ HwNm$	target_ActivePull_Per3_PullCmpLongTerml	ntgtrSt_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	Resul
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 ± 0.000000007450580596923828125	•
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	•

Te	Test Step Call Trace				
Act	tual Function	Count	Expected Function	Count	Result
no	ne	0	*** No Call Expected ***	0	~



Test Step 2.35 (Repeat Count = 1)			V
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_Hwh	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_t	f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	jc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_interpretations and the property of the property $	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_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 ± 0.000000007450580596923828125	•
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	

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_Hwh	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_target_Rte_Inst_Ap_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActiv$	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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 ± 0.000000007450580596923828125	~
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 lqc	1		
PullCmp SComLTCompSet Cnt M Igc	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_PullCmpLongTermIntgtrStOff	fs_Hwl target_ActivePull_Per2_PullCn	npLongTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTor	que_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCn	npEna_Cnt_lgc	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt H	wNm target_ActivePull_Per3_PullCn	npLongTermIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_Vehicle	eSpeed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_	HwNm_f32	
Name	Actual Value	Expected Value	Resu
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 ± 0.000000007450580596923828125	
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 1	Trace Trace				•
Actual Function		Count	Expected Function	Count	Resul
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_Hwrestern and the property of the $	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm$	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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 ± 0.000000007450580596923828125	~
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		

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwN	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lge	C	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_trackingPullCmpLongTermIntgtrSt_HwNm_tracking$	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_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 ± 0.00000007450580596923828125	•
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_Hwl	target_ActivePull_Per2_PullCmpLongTermli	ntgtrStOffs_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_Igc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	gc	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt HwNm	target_ActivePull_Per3_PullCmpLongTermli	ntgtrSt_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	Resul
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	•
	-0.0962999985	-0.0962999985 ± 0.00048828125	
target_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_f32.value	-0.030233333	-0.0302333303 ± 0.00040020123	· · · · ·

Test Step Call Trace						
Act	tual Function	Count	Expected Function	Count	Result	
no	ne	0	*** No Call Expected ***	0	~	





Name	Input Value		
PullCmp EnableLearn Cnt M Igc	0		
PullCmp HwTorqueLTSV HwNm M Str.SV UIs 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 Igc	1		
PullCmp SComLTCompSet Cnt M Igc	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 Igc.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 Hw	target ActivePull Per2 PullCmpLongTern	nIntgtrStOffs HwNm f32	
target Rte Inst Ap ActivePull.ActivePull Per3 HwTorque HwNm f32	target ActivePull Per3 HwTorque HwNm		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_	_	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt HwNm			
target Rte Inst Ap ActivePull.ActivePull Per3 VehicleSpeed Kph f32	target ActivePull Per3 VehicleSpeed Kp		
target Rte Inst Ap ActivePull.Pim PullCmpLTComp HwNm f32	target Pim PullCmpLTComp HwNm f32		
Name	Actual Value	Expected Value	Resu
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 Case 3: PRM Range Test

Specification

```
Performance Metrics (With "None" Instrumentation
and WithPS Environment)
CPU Cycles:
TS3.1 56.00 Cycles
```

TS3.1 56.00 Cycles
TS3.2 263.00 Cycles
TS3.3 391.00 Cycles
TS3.3 391.00 Cycles
TS3.4 351.00 Cycles
TS3.6 329.00 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
TS3.11 56.00 Cycles
TS3.12 284.00 Cycles
TS3.13 370.00 Cycles
TS3.14 56.00 Cycles
TS3.15 56.00 Cycles
TS3.15 56.00 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==>Pos

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_PullCmpLongTermIr	ntgtrStOffs_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_lg	jc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_t	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_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 ± 0.000000007450580596923828125	•
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	~

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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_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_PullCmpLongTermIr	ntgtrStOffs_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			
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_interpretations and the properties of the p$	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32		
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 ± 0.000000007450580596923828125	•	
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)	variable and the second of
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_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePull_Per2_PullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTermIntgtrStOffs_FractivePullCmpLongTer$	wt target_ActivePull_Per2_PullCmpLongTerm	IntgtrStOffs_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_	gc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwN$	m_i target_ActivePull_Per3_PullCmpLongTerm	IntgtrSt_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 ± 0.000000007450580596923828125	~
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	~

Name	Input Value		
PullCmp EnableLearn Cnt M Igc	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	0.10000001		
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	_Hwh target_ActivePull_Per2_PullCmp	LongTermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorqu	ue_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_Igc	target_ActivePull_Per3_PullCmp	Ena_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_Hw	Nm_i target_ActivePull_Per3_PullCmp	LongTermIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleS	peed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_Hv	vNm_f32	
Name	Actual Value	Expected Value	Resul
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 ± 0.000000007450580596923828125	
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_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_interpretations and the property of the property $	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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 ± 0.00000007450580596923828125	•
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_HarmonicsPull_Per2_PullCmpLongTermIntgtrStOffs_HarmonicsPull_Per2_PullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIntgtrStOffs_HarmonicsPullCmpLongTermIn$	wh target_ActivePull_Per2_PullCmpLongTerm	IntgtrStOffs_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_I	gc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	m_i target_ActivePull_Per3_PullCmpLongTerm	IntgtrSt_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 ± 0.000000007450580596923828125	•
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			
	1			
PullCmp_EnableLearn_Cnt_M_lgc				
PullCmp_HwTorqueLTSV_HwNm_M_Str.SV_UIs_f32	5.67190742			
PullCmp_HwTorqueLTSV_HwNm_M_Str.K_Uls_f32	0.000307899987			
PullCmp_LTIntGain_UIs_M_f32	4			
PullCmp_LTWindUpLimit_HwNm_M_f32	18			
PullCmp_PrevLTLearnTime_Min_M_u16				
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	_	_ongTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorqu			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpl	Ena_Cnt_lgc		
$target_Rte_Inst_Ap_ActivePull_Per3_PullCmpLongTermIntgtrSt_Hwarder and the property of the p$	Nm_i target_ActivePull_Per3_PullCmpl	_ongTermIntgtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleS	peed_Kph_f32		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_Hv	vNm_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 ± 0.000000007450580596923828125	•	
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				v
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	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 Hwl	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_t	732	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	c	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm$	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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 ± 0.00000007450580596923828125	~
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			V	
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

Test Step 3.9 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
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

target_Pim_PullCmpLTComp_HwNm_f32

ActivePull_Per3

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



1.09243 ± 0.00390625

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		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwName and the property of the pro$	target_ActivePull_Per2_PullCmpLongTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lge	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_traget_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_traget_Rte_Inst_Ap_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActiv$	target_ActivePull_Per3_PullCmpLongTermIn	tgtrSt_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 ± 0.000000007450580596923828125	~
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	~

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

1.09243

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	0.10000001		
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	Hwh target ActivePull Per2 PullCmpLor	ngTermIntgtrStOffs 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 Igc	target ActivePull Per3 PullCmpEna	a Cnt Igc	
target Rte Inst Ap ActivePull.ActivePull Per3 PullCmpLongTermIntgtrSt Hw	vNm target ActivePull Per3 PullCmpLor	ngTermIntgtrSt HwNm f32	
target Rte Inst Ap ActivePull.ActivePull Per3 VehicleSpeed Kph f32	target ActivePull Per3 VehicleSpe	ed Kph f32	
target Rte Inst Ap ActivePull.Pim PullCmpLTComp HwNm f32	target Pim PullCmpLTComp HwNi	m 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 ±	
		0.000000007450580596923828125	· ·
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 ± 0.000000007450580596923828125	×
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				v
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	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_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_t	732	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	c	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_tracking the property of the prop$	target_ActivePull_Per3_PullCmpLongTermIr	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed_Kph_	<u>f</u> 32	
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)	v v v v v v v v v v v v v v v v v v v
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_Hv	vt target_ActivePull_Per2_PullCmpLongTerml	ntgtrStOffs_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_lo	gc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermIntgtrSt_HwNmpLongTermInt$	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 ± 0.000000007450580596923828125	•
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	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	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 Igc	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	319.151611		
target_Pim_PullCmpLTComp_HwNm_f32	-0.74180001			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_	HwN target_ActivePull_Per2_PullCmpLongT	FermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_Hw	vNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_0	Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_Hwf	Im_t target_ActivePull_Per3_PullCmpLongT	FermIntgtrSt_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_	<u>f</u> 32		
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 ± 0.000000007450580596923828125	•	
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	1		
target_ActivePull_Per2_PullCmpLongTermIntgtrStOffs_HwNm_f32.value	-5.12890005			
target_ActivePull_Per3_HwTorque_HwNm_f32.value	-5.12890005	-5.12890005		
target_ActivePull_Per3_PullCmpEna_Cnt_lgc.value	1	1.		
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	425.035492	425.035492		
target_Pim_PullCmpLTComp_HwNm_f32	1.8369	1.8369		
$target \ \ Rte \ \ Inst \ \ Ap \ \ Active Pull . Active Pull \ \ Per 2 \ \ Pull Cmp Long TermInt gtr St Offs$	Hwh target_ActivePull_Per2_PullCmpLong	TermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_Hv	wNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_	_Cnt_lgc		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_Hw1000000000000000000000000000000000000$	Nm_1 target_ActivePull_Per3_PullCmpLong	TermIntgtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_VehicleSpeed	1_Kph_f32		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_	_f32		
Name	Actual Value	Expected Value	Resul	
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	•	

Te	est Step Call Trace				V
Ac	tual Function	Count	Expected Function	Count	Result
no	ne	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	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_HwlterPull_Per2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullPer2_PullCmpLongTermIntgtrStOffs_HwlterPullCmpLongTermIntgtrStOffs_HwlterPullCmpLongTermIntgtrStOffs_HwlterPullCmpLongTermIntgtrStOffs_HwlterPullCmpLongT$	target_ActivePull_Per2_PullCmpLongTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorque_HwNm_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_lgc	target_ActivePull_Per3_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_HwNm_Per3_PullCmpLongTermIntgtrSt_Hw$	m_t 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 ± 0.000000007450580596923828125	•
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				V
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

Name	Input Value			
PullCmp EnableLearn Cnt M Igc	1	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	0.10000001			
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	1		
target_ActivePull_Per3_VehicleSpeed_Kph_f32.value	425.035492	425.035492		
target_Pim_PullCmpLTComp_HwNm_f32	1.8369	1.8369		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per2_PullCmpLongTermIntgtrStOffs_	_Hwh target_ActivePull_Per2_PullCmp	oLongTermIntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_HwTorque_HwNm_f32	target_ActivePull_Per3_HwTorq	ue_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpEna_Cnt_Igc	target_ActivePull_Per3_PullCmp	Ena_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_PullCmpLongTermIntgtrSt_Hw	Nm_i target_ActivePull_Per3_PullCmp	bLongTermIntgtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per3_VehicleSpeed_Kph_f32	target_ActivePull_Per3_Vehicles	Speed_Kph_f32		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_H	wNm_f32		
Name	Actual Value	Expected Value	Resul	
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	-1.3240099	-1.3240099 ± 0.00048828125	•	
target Pim PullCmpLTComp HwNm f32	-1.3240099	-1.3240099 ± 0.00390625		

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

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ActivePull_Per1

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= -Dinline= -Dconst= -D_extern= -Dstatic= -I\$(PROJECTROOT)\ActivePull\tools\Contract -I\$(PROJECTROOT) \ActivePull\tools\Contract\Ap_ActivePull -I\$(PROJECTROOT)\NxtrLib\tinclude -I\$(PROJECTROOT)\StdDef\tinclude -I\$ (ProgramW6432)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\tinclude
File	\$(PROJECTROOT)\ActivePull\src\Ap_ActivePull.c
Compiler Options	-D_DATA_ACCESS= -Dinline= -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

Name	Text
Module 'ActivePull'	Name of Tester:Pradnya Mhetre Code File(s) Under TestAp_ActivePull.c Code File(s) Version :22 Module Design Document:Active_Pull_Comp_MDD.docx 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 "ActivePull_Per1" functio Please refer the snapshots "ActivePull ActivePullPer1_coverage". NOTE5:In function "ActivePull_Per3" output variable "PullCmp_VehSpdRate_KphpS_M_f32" is failing in TS3.10 because of precision differenc 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

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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

ActivePull_Per1

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ActivePull_Per1

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Test Case 1: Range Test

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ActivePull_Per1



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
TS1.5 3571.00 Cycles
TS1.6 3218.00 Cycles
TS1.7 3516.00 Cycles
TS1.8 3393.00 Cycles
TS1.10 3493.00 Cycles
TS1.11 2999.00 Cycles
TS1.11 2999.00 Cycles
TS1.12 3399.00 Cycles
TS1.13 3167.00 Cycles
TS1.14 3093.00 Cycles
TS1.15 2903.00 Cycles
TS1.15 3242.00 Cycles
TS1.16 3345.00 Cycles
TS1.17 3328.00 Cycles
TS1.18 3242.00 Cycles
TS1.19 3626.00 Cycles
TS1.19 3626.00 Cycles
TS1.20 3616.00 Cycles
TS1.21 3350.00 Cycles
TS1.22 3353.00 Cycles
TS1.23 350.00 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
TS1.29 391.00 Cycles
TS1.31 3356.00 Cycles
TS1.32 3156.00 Cycles
TS1.33 3879.00 Cycles
TS1.33 3879.00 Cycles
TS1.34 3917.00 Cycles
TS1.35 3511.00 Cycles
TS1.37 3415.00 Cycles
TS1.38 3024.00 Cycles
TS1.39 3579.00 Cycles
TS1.40 135.00 Cycles
TS1.43 3007.00 Cycles
TS1.44 3007.00 Cycles
TS1.45 3068.00 Cycles
TS1.47 2960.00 Cycles
TS1.48 3350.00 Cycles
TS1.48 3350.00 Cycles
TS1.48 3350.00 Cycles
```

Description

Vector Description:

```
TS1.1All Min
TS1.2All Max
TS1.3DisableLearning_Cnt_lgc==>Min
TS1.4DisableLearning_Cnt_lgc==>Max
TS1.5DisableOutput_Cnt_lgc==>Min
TS1.6DisableOutput_Cnt_lgc==>Max
TS1.7HandwheelAuthority_Uls_f32==>Max
TS1.7HandwheelAuthority_Uls_f32==>Max
TS1.9HandwheelAuthority_Uls_f32==>Max
TS1.9HandwheelAuthority_Uls_f32==>Pos
TS1.10HandwheelPosition_HwDeg_f32==>Min
TS1.11HandwheelPosition_HwDeg_f32==>Pos
TS1.13HandwheelPosition_HwDeg_f32==>Pos
TS1.13HandwheelPosition_HwDeg_f32==>Pos
TS1.13HandwheelPosition_HwDeg_f32==>Neg
TS1.15EstLatAcc_MpSecSq_f32==>Min
TS1.16EstLatAcc_MpSecSq_f32==>Max
TS1.17EstLatAcc_MpSecSq_f32==>Max
TS1.19EstLatAcc_MpSecSq_f32==>Pos
TS1.19EstLatAcc_MpSecSq_f32==>Pos
TS1.19EstLatAcc_MpSecSq_f32==>Neg
TS1.20HandwheelVelocity_HwRadpS_f32==>Min
TS1.21HandwheelVelocity_HwRadpS_f32==>Max
TS1.22HandwheelVelocity_HwRadpS_f32==>Pos
TS1.23HandwheelVelocity_HwRadpS_f32==>Neg
TS1.25HwTorque_HwNm_f32==>Min
TS1.26HwTorque_HwNm_f32==>Min
TS1.26HwTorque_HwNm_f32==>Pos
TS1.29HwTorque_HwNm_f32==>Pos
TS1.29HwTorque_HwNm_f32==>Neg
TS1.30VehicleYawRate_DegpS_f32==>Pos
TS1.33VehicleYawRate_DegpS_f32==>Pos
TS1.33VehicleYawRate_DegpS_f32==>Pos
TS1.34VehicleYawRate_DegpS_f32==>Neg
TS1.35VehicleSpeed_Kph_f32==>Min
TS1.36VehicleSpeed_Kph_f32==>Min
TS1.38VehicleSpeed_Kph_f32==>Min
TS1.49PullCmpEna_Cnt_lgc==>Min
TS1.49PullCmpEna_Cnt_lgc==>Min
TS1.49PullCmpEna_Cnt_lgc==>Min
TS1.49PullCmpEna_Cnt_lgc==>Min
TS1.49PullCmpShoTermIntgtrStOffs_HwNm_f32==>Pos
TS1.49PullCmpShoTermIntgtrStOffs_HwNm_f32==>Pos
TS1.44PullCmpShoTermIntgtrStOffs_HwNm_f32==>Pos
TS1.44PullCmpShoTermIntgtrStOffs_HwNm_f32==>Neg
TS1.44PullCmpSh
```



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_UIs_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_EnableHwYrqMax_HwNm_f32	0
k_EnableHwVelMax_DegpS_f32	
k_EnableLatAccMax_MpSecSq_f32 k_EnableTime_mS_u32	0
	0
k_EnableVehSpdMax_Kph_f32	0
k_EnableVehSpdMin_Kph_f32 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	
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTime	
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_Igc	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_UIs_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_Igc	target_ActivePull_Per1_PullCmpEna_Cat_leg
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpEna_Cnt_lgc target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
g.ssoc.,	Tangang ang ang an ang an anasapasa vallago





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 ± 0.00000001490116119384765625	~
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 ± 0.00000001490116119384765625	~
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			V	
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

Test Step 1.2 (Repeat Count = 1)	ranger and the second s
Name	Input Value
PullCmp DecGain Uls M f32	0.000539999979
PullCmp EnableLearn Cnt M Igc	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 Igc	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	
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	
	II_Per1_DisableLearning_Cnt_lgc
	I_Per1_DisableOutput_Cnt_lgc
	I Per1 EstLatAcc MpSecSq f32
	I Per1 HandwheelAuthority Uls f32
	Il_Per1_HandwheelPosition_HwDeg_f32
	Il_Per1_HandwheelVelocity_HwRadpS_f32
	I Per1 HwTorque HwNm f32
	I_Per1_PullCmpCustLrngDi_Cnt_lgc
	Il_Per1_PullCmpEna_Cnt_lgc
	I Per1 PullCmpShoTermIntgtrStOffs HwNm f32
	II_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
	Il_Per1_VehicleSpeedValid_Cnt_lgc
	I_Per1_VehicleSpeed_Kph_f32
	Il Per1 VehicleYawRate DegpS f32
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32 target_Pim_Pul	CmpLTComp_HwNm_f32
Name Actual Value	Expected Value Result
PullCmp_DecGain_Uls_M_f32 0.00053999997	·
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 0.00053999997	0.000539999979 ± 0.0000001490116119384765625
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
	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	

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<u>-</u>			
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_UIs_f32	0 00435584709		
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32 Pto_Call_Ap_ActivePull_SystemTime_DtympEleneedTime_mS_u22/EleneedTime}	0.00125584798 target Rte Call Ap ActivePull SystemTime	DtrmpElancodTime mc u22 ElancodTime	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime		
Rte_Inst_Ap_ActivePull	target Rte Inst Ap ActivePull	_GCtGystcmTime_mo_u32_ouncitcmine	
k_EnableHwAuthMin_UIs_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 k_TotalLimit_HwNm_f32	1 0		
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0		
target_ActivePull_Per1_DisableDutput_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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_El$			
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	~	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSo	-	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_	· •	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f:		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_ target_ActivePull_Per1_PullCmpEna_Cnt_lgi		
target_Rte_inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_t		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De		
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	2051227904	2051227904 ± 1	~
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.000399484969	-0.000399484969 ± 0.00048828125	~
PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-0.00399259198	-0.00399259198 ± 0.00048828125	~
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ±	V

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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_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentT	1863909376			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cr	nt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	<u>lgc</u>		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	q_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_	_HwDegf32		
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_1	f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi	_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	jc		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNnerset(Approximately and Approximately Approximate$	target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_from the properties of the$	_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	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	e_DtrmnElapsedTime_mS_u32_ElapsedTin	ne
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime	e_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 k_STIntInputLimit_HwNm_f32	0.100000001		
	45		
k_STLearnTimeDec_Sec_f32	45		
k_STLearnTimeInc_Sec_f32 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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cr		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	_	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_ target_ActivePull_Per1_HandwheelVelocity		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_Handwheelvelocity_	· · · -	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_lgc	target ActivePull Per1 PullCmpEna Cnt lo		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f		·	
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeedValid Cnt Igc	target ActivePull Per1 VehicleSpeedValid		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.0000058e-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_UIs_f32	0.00988920219	0.00988920219 ± 0.00048828125	•
PullCmp_IncGain_Uls_M_f32	6.0000058e-005	6.00000058e-005 ± 0.0000001490116119384765625	- ·
PullCmp PrevSTLearnTimeDec Sec M u12p4	720	720 ± 0.0625	١,
PullCmp PrevSTLearnTimeDec_Sec_M_u12p4 PullCmp PrevSTLearnTimeInc Sec M u12p4	720	720 ± 0.0625	
PullCmp ResetPer1 Cnt M Igc	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	

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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	~

T4-044-0 (D4-04-4)	
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 UIs f32	1
k EnableHwPosMax HwDeg f32	45
k_EnableHwTrqMax_HwNm_f32	2.7999995
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
	0.100000001
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	3
k_STIntInputLimit_HwNm_f32	45
k_STLearnTimeDec_Sec_f32	
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	
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
argot_houver ull_rerr_veriloierawitate_begpo_132.value	-11.0002001



Activer dil_1 ci i		(- # - 10	,0
Name	Input Value		
target_Pim_PullCmpLTComp_HwNm_f32	*none*		
$target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Ela$	3178511104		
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_	2948093184		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_{1_} 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_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi_	_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgr	C	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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	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 ± 0.00000001490116119384765625	~
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	0.150800005	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	

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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



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)	
lame	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 Igc	*none*
PullCmp_SComSTCompSet_Cnt_M_lgc	*none*
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PullCmp_SComSTComp_HwNm_M_f32	*none*
PullCmp_STComp_HwNm_M_f32	*none*
PullCmp_STOppSignTime_mS_M_u32	*none*
rullCmp_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
EnableHwAuthMin Uls f32	1
EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.7999995
_EnableHwVelMax_DegpS_f32	10
EnableLatAccMax MpSecSq f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
STResetHwPos HwDeg f32	45
STResetHwTrq HwNm f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
TotalLimit HwNm f32	0
	1
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0 5.70050007
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-5.70959997
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-695.481628
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	9.58979988
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	6.64389992
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-7.73210001
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	130.8918
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	96.2462006
arget_Pim_PullCmpLTComp_HwNm_f32	*none*
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	
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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_lg	С		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNloadingstream (See Supplied From Fig. 1) and the property of the$	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(t) = target_Rte_Inst_Ap_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActi$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_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	3750125056	3750125056 ± 1	~	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.000252222351	-0.000252222322 ± 0.00048828125	✓	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-0.00252581108	-0.00252581039 ± 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	0.773209989	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				V
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_UIs_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

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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 Igc.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			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	it lac	
target Rte Inst Ap ActivePull.ActivePull Per1 DisableOutput Cnt Igc	target ActivePull Per1 DisableOutput Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	•	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target ActivePull Per1 PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target ActivePull Per1 PullCmpEna Cnt Ig	ic	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target ActivePull Per1 PullCmpShoTermInt	tgtrStOffs HwNm f32	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f		·	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target Pim PullCmpLTComp HwNm f32		
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	Nesul
PullCmp EnableLearn Cnt M Igc	1	1	
PullCmp_EnableTime_mS_M_u32	3154356480	3154356480 ± 1	٠,
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 ± 0.00000001490116119384765625	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	٠,
PullCmp PrevSTLearnTimeInc Sec M u12p4	720	720 ± 0.0625	•
PullCmp ResetPer1 Cnt M lgc	0	0	٠,
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	
. a	0.00000114	5.555555557 I 5.5555055	



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	~

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Test Step 1.10 (Repeat Count = 1)	<u> </u>
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	





Name	Input Value			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_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_MpSecSc	q_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_f	32		
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_lge	С		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpul$	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f\columnwdf$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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_UIs_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				V
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

ActivePull_Per1





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_Igc.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_Elapse			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTir			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	-	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_	-	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngD		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_I		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	egpS_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	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 ± 0.00000001490116119384765625	•
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	-0.040070001	-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	✓



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*
ullCmp_STStepSize_HwNm_M_f32	*none*
rullCmp_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
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
	2.79999995
EnableHwVelMax DegpS f32	10
EnableLatAccMax MpSecSq f32	0.5
EnableTime mS u32	2000
 _EnableVehSpdMax_Kph_f32	160
z_EnableVehSpdMin_Kph_f32	60
 E_nableVehSpdRateMax_KphpS_f32	1
 _EnableYawRateMax_DegpS_f32	1
 FiltDeadband_HwNm_f32	0.25
	0.100000001
S_STIntInputLimit_HwNm_f32	3
STLearnTimeDec Sec f32	45
_STLearnTimeInc_Sec_f32	45
STLimit HwNm f32	1
	100
STResetHwPos_HwDeg_f32	45
STResetHwTrg HwNm f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
	0
arget ActivePull Per1 DisableLearning Cnt Igc.value	0
arget_Activer uii_r er i_bisableLearining_crit_igc.value arget_ActivePull_Per1_DisableOutput_Cnt_igc.value	0
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-8.71949959
arget ActivePull Per1 HandwheelAuthority Uls f32.value	0.833299994
arget ActivePull Per1 HandwheelPosition HwDeg f32.value	1349.54236
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-33.7076988
arget ActivePull Per1 HwTorque HwNm f32.value	-0.196600005
arget_ActivePull_Per1_nwTorque_nwNrin_i32.value arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	64.2405014
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-111.154099
arget_Pim_PullCmpLTComp_HwNm_f32	*none*
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1 1094098944





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_I	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_	_Ulsf32	
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_f3	32	
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_lgd	;	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNload_New Normal Control of the Co$	target_ActivePull_Per1_PullCmpShoTermInto	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f; \\$	target_ActivePull_Per1_PullCmpShoTermInto	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_t	732	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_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_UIs_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)	v v v v v v v v v v v v v v v v v v v
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

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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_DisableEearning_Crit_igc.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	0.240199993		
target_ActivePull_Per1_HandwheelPosition_HwDeg_152.value target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-8.47210026		
	5.20419979		
target_ActivePull_Per1_HwTorque_HwNm_f32.value	0		
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1		
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value			
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_Elapser			
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTin			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cn		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec	-	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthori		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngE		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_	•	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kpl	1_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	Resul
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_UIs_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	٠,
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	
PullCmp_PrevS1Learn1memc_Sec_w_u12p4 PullCmp_ResetPer1_Cnt_M_lgc	0	720 ± 0.0625	
PullCmp_ResetPet1_Cnt_M_igc PullCmp_SComSTCompSet_Cnt_M_igc	0	0	
, = = = = = = = = = = = = = = = = = = =	-	-	
PullCmp_STComp_HwNm_M_f32	0.48627001 4261708288	0.48627001 ± 0.00048828125	
DullOme STOppSignTime mS M		4261708288 ± 1	•
PullCmp_STOppSignTime_mS_M_u32 PullCmp_STReset_Cnt_M_lgc PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_UIs_f32	1 -0.664049923	1 -0.664049864 ± 0.00390625	



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
EnableHwAuthMin_Uls_f32	1
x_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
z_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
	0.25
 _PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
SSTIntInputLimit_HwNm_f32	3
STLearnTimeDec Sec f32	45
STLearnTimeInc_Sec_f32	45
STLimit HwNm f32	1
STOppSignTime_mS_u32	100
STResetHwPos HwDeg f32	45
S_STResetHwTrq_HwNm_f32	3
x_STResetLatAcc_MpSecSq_f32	1
x_STResetYawRate_DegpS_f32	
x_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	7.6097002
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1186.34253
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	27.9386005
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.66320002
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value	4.86359978
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	125.403
arget ActivePull Per1 VehicleYawRate DegpS f32.value	41.2742996
arget_Pim_PullCmpLTComp_HwNm_f32	*none*
arget_Filti_FullCripL1Comp_riwitit_i32 arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1585908736





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthor	ty_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPositio	n_HwDeg_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f$	32 target_ActivePull_Per1_HandwheelVelocit	y_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_PullCmpCustLrngI	Di_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_Hr	wNi target_ActivePull_Per1_PullCmpShoTerml	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNnterpullActivePull_Per1_PullCmpShoTermIntgtrSt_HwNnterpullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActi$	n_f: target_ActivePull_Per1_PullCmpShoTerml	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid	d_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kpl	n_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_I	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

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ActivePull Per1 Input Value k_EnableVehSpdMax_Kph_f32 160 k_EnableVehSpdMin_Kph_f32 60 k_EnableVehSpdRateMax_KphpS_f32 1 k_EnableYawRateMax_DegpS_f32 0.25 k FiltDeadband HwNm f32 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 k_STOppSignTime_mS_u32 100 k_STResetHwPos_HwDeg_f32 45 k_STResetHwTrq_HwNm_f32 3 k_STResetLatAcc_MpSecSq_f32 1 k_STResetYawRate_DegpS_f32 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 -1123.9292 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value -19.2087994 -5.12820005 target_ActivePull_Per1_HwTorque_HwNm_f32.value target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value 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 Igc target ActivePull Per1 DisableLearning Cnt Igc 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 PullCmpShoTermIntqtrStOffs HwNi target ActivePull Per1 PullCmpShoTermIntqtrStOffs 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_Igc 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_F	łwNm_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
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
	2.79999995
EnableHwVelMax DegpS f32	10
EnableLatAccMax MpSecSq f32	0.5
EnableTime mS u32	2000
 _EnableVehSpdMax_Kph_f32	160
	60
z_EnableVehSpdRateMax_KphpS_f32	1
 _EnableYawRateMax_DegpS_f32	1
 FiltDeadband_HwNm_f32	0.25
	0.100000001
S_STIntInputLimit_HwNm_f32	3
STLearnTimeDec Sec f32	45
STLearnTimeInc_Sec_f32	45
STLimit HwNm f32	1
 STOppSignTime_mS_u32	100
STResetHwPos_HwDeg_f32	45
STResetHwTrg HwNm f32	3
:_STResetLatAcc_MpSecSq_f32	1
STResetYawRate_DegpS_f32	1
TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget_ActiveFull_Per1_DisableCearning_Crit_igc.value	0
arget_ActiveFull_Per1_EstLatAcc_MpSecSq_f32.value	10
arget ActivePull Per1 HandwheelAuthority Uls f32.value	1
arget_ActiveFull_Per1_HandwheelPosition_HwDeg_f32.value	-602.892212
arget_ActiveFull_Fer1_HandwheelVelocity_HwRadpS_f32.value	15.6668997
arget_ActivePull_Per1_Haritumreervelocity_HwRadps_tsz.value	2.6558001
arget_ActivePull_Per1_nwTorque_nwNffi_i32.value arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.145999998
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	7,0000004
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	7.98969984
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	82.9820023
arget_Pim_PullCmpLTComp_HwNm_f32	*none*
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3379127296





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	:_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_I	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_	_Ulsf32	
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_f3	32	
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_lgd		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpul$	target_ActivePull_Per1_PullCmpShoTermInto	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f; \\$	target_ActivePull_Per1_PullCmpShoTermInto	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_t	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_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	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 ± 0.00000001490116119384765625	•
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	-0.0146000003	-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				V
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)	v v v v v v v v v v v v v v v v v v v
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_C	:nt_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_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	y_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_Igc	target_ActivePull_Per1_PullCmpCustLrngD	i_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_I	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIr	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_from the properties of the$	target_ActivePull_Per1_PullCmpShoTermlr	ntgtrSt_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_D	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	~
DullOmp STReast Ont M Igo			
PullCmp_STReset_Cnt_M_lgc	1	1	~
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	1 -0.663036883	1 -0.663036823 ± 0.00390625	✓ ✓



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 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 Igc	*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
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
	0.25
	0.100000001
	3
STLearnTimeDec Sec f32	45
STLearnTimeInc_Sec_f32	45
STLimit HwNm f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
STResetYawRate_DegpS_f32	1
_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.0326000005
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	170.555893
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	28.9237003
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	-0.30340001
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value	3.3427
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	364.395294
arget_ActiveFull_Per1_VehicleYawRate_DegpS_f32.value	-65.482399
arget_Pim_PullCmpLTComp_HwNm_f32	*none*
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_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_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi_	_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lge	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpul$	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f; \\$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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 45		
k_STLearnTimeDec_Sec_f32 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 -5.96740007		
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc.value	-5.96740007		
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			
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim			
target Rte Inst Ap ActivePull.ActivePull Per1 DisableLearning Cnt Igc	target ActivePull Per1 DisableLearning Cn	nt Igc	
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_MpSecSet	q_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_	_HwDegf32	
$target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32$	target_ActivePull_Per1_HandwheelVelocity_	_HwRadpS_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f	f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi	_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f	3	·	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_ActivePull_Per1_VehicleYawRate_Detarget Pim PullCmpLTComp HwNm f32	egp5_i32	
		Francisco Volus	Daguilé
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 ±	-
PullCmp ProvSTI cornTimeDec See M v42c4	720	0.0000001490116119384765625	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720 720	720 ± 0.0625	Ž
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4 PullCmp_ResetPer1_Cnt_M_lgc	0	720 ± 0.0625	
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	
PullCmp_STComp_HwNm_M_f32	0.596740007	0.596740007 ± 0.00048828125	
	187557376	187557376 ± 1	-
PullCmp_STOppSignTime_mS_M_u32			
PullCmp_STOppSignTime_mS_M_u32 PullCmp_STReset Cnt M_lgc	1	1	✓
PullCmp_STOppSignTime_mS_M_u32 PullCmp_STReset_Cnt_M_lgc PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_UIs_f32	1 -0.741015017	1 -0.741014957 ± 0.00390625	· ·

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	~



Fest Step 1.20 (Repeat Count = 1)	Input Value
PullCmp DecGain Uls M f32	*none*
PullCmp EnableLearn Cnt M Igc	*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_UIs_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
EnableHwAuthMin_Uls_f32	
_EnableHwPosMax_HwDeg_f32	45
EnableHwTrqMax_HwNm_f32	2.7999995
_EnableHwVelMax_DegpS_f32	10
EnableLatAccMax_MpSecSq_f32	0.5
EnableTime_mS_u32	2000
EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
:_EnableYawRateMax_DegpS_f32 : FiltDeadband HwNm f32	0.25
C_FINDEAUDAND_FINITI_ISZ C_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
STIntInputLimit_HwNm_f32	3
C_STHIRIPULEINICTWWIN_32 C_STLearnTimeDec_Sec_f32	45
STLearnTimeInc Sec f32	45
S_STLimit_HwNm_f32	1
STOppSignTime mS u32	100
CSTResetHwPos_HwDeg_f32	45
STResetHwTrq_HwNm_f32	3
STResetLatAcc_MpSecSq_f32	1
STResetYawRate DegpS f32	1
TotalLimit HwNm f32	0
arget ActivePull Per1 DisableLearning Cnt Igc.value	0
arget ActivePull Per1 DisableOutput Cnt Igc.value	1
arget ActivePull Per1 EstLatAcc MpSecSq f32.value	6.15679979
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.328500003
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-588.476807
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-42
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	6.08669996
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-8.48729992
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	162.170502
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	29.3342991
arget_Pim_PullCmpLTComp_HwNm_f32	*none*
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	d 448358400
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTin	n 3766913536
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
	li target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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	V

Name	Input Value
PullCmp DecGain Uls M f32	*none*
PullCmp EnableLearn Cnt M Igc	*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 Igc	*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
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
C_EnableHwVelMax_DegpS_f32	10
C_EnableLatAccMax_MpSecSq_f32	0.5
C_EnableTime_mS_u32	2000
<_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
c_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
c_FiltDeadband_HwNm_f32	0.25
<_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
k_STIntInputLimit_HwNm_f32	3
k_STLearnTimeDec_Sec_f32	45



ActivePull_Per1			MAG
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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elap$	d 2064812800		
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTiresupplies the property of the proper$	n 1085482240		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cr	nt_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_MpSecS	q_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	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32000000000000000000000000000000000000$	target_ActivePull_Per1_HandwheelVelocity_	_HwRadpS_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_	<u>f</u> 32	
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_lo	gc	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_transfer and the property of the p$	target_ActivePull_Per1_PullCmpShoTermIn	tgtrSt_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_D	egpS_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_UIs_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	•
	-1		-

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*

ActivePull Per1

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Input Value PullCmp_HwTorqueSTSV_HwNm_M_Str.SV Uls f32 *none* *none* PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32 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 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 DeapS 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 k STOppSignTime mS u32 100 k_STResetHwPos_HwDeg_f32 45 3 $k_STResetHwTrq_HwNm_f32$ k_STResetLatAcc_MpSecSq_f32 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 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 -6.69820023 target_ActivePull_Per1_HwTorque_HwNm_f32.value target ActivePull Per1 PullCmpCustLrngDi Cnt lgc.value target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value target ActivePull Per1 PullCmpShoTermIntatrStOffs HwNm f32.value -7.86009979 target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value 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_ActivePull_Per1_DisableLearning_Cnt_lgc $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc$ 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_Igc target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_lgc$ target ActivePull Per1 PullCmpEna Cnt Igc 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 f3 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_Pim_PullCmpLTComp_HwNm_f32

target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32

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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	~





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 Elapse	d 2544721152		
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTin	m 149079808		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cr	nt_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_MpSecS	q_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 Rte Inst Ap ActivePull.ActivePull Per1 HwTorque HwNm f32	target ActivePull Per1 HwTorque HwNm	f32	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpCustLrngDi Cnt Igc	target ActivePull Per1 PullCmpCustLrngDi	Cnt lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_Hwl	target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_	f: target_ActivePull_Per1_PullCmpShoTermIn	tgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	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_De	egpS_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 Igc	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 ± 0.00000001490116119384765625	•
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	-0.927100003	-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				V
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 PullCmp_STComp_HwNm_M_f32	*none* *none*		
PullCmp_STCppSignTime_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_ElapsedTin	ne
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime	e_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
k_EnableHwAuthMin_Uls_f32	1		
<_EnableHwPosMax_HwDeg_f32	45		
k_EnableHwTrqMax_HwNm_f32	2.79999995		
k_EnableHwVelMax_DegpS_f32	10		
k_EnableLatAccMax_MpSecSq_f32	0.5 2000		
k_EnableTime_mS_u32 k_EnableVehSpdMax_Kph_f32	160		
k_EnableVehSpdMin_Kph_f32	60		
<pre><_EnableVehSpdRateMax_KphpS_f32</pre>	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 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 target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	473.314087		
target_ActivePull_Peri_veriicle*rawRate_begps_isz.value target Pim PullCmpLTComp HwNm f32	-27.7875996 *none*		
target_riin_r dicinpercomp_rivitin_i32 target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsec			
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim			
target Rte Inst Ap ActivePull.ActivePull Per1 DisableLearning Cnt Igc	target ActivePull Per1 DisableLearning Cr	nt Igc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	•	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
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_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeedValid_ target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_kpn_t32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.0000058e-005	6.00000058e-005 ±	INESUI
		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 PullCmp_IncGain_Uls_M_f32	-0.0156104527 6.00000058e-005	-0.0156104499 ± 0.00048828125 6.00000058e-005 ±	•

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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_UIs_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
EnableHwAuthMin Uls f32	1
EnableHwPosMax HwDeg f32	45
C_EnableHwTrqMax_HwNm_f32	2.7999995
c EnableHwVelMax DegpS f32	10
<pre>c_EnableLatAccMax_MpSecSq_f32</pre>	0.5
	2000
<pre>(_EnableTime_mS_u32</pre>	160
x_EnableVehSpdMax_Kph_f32	60
c_EnableVehSpdMin_Kph_f32	11
c_EnableVehSpdRateMax_KphpS_f32	1
c_EnableYawRateMax_DegpS_f32	1
<pre>c_FiltDeadband_HwNm_f32</pre>	0.25
x_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
c_STIntInputLimit_HwNm_f32	3
x_STLearnTimeDec_Sec_f32	45
C_STLearnTimeInc_Sec_f32	45
C_STLimit_HwNm_f32	1
c_STOppSignTime_mS_u32	100
C_STResetHwPos_HwDeg_f32	45
c_STResetHwTrq_HwNm_f32	3
<pre><_STResetLatAcc_MpSecSq_f32</pre>	1
c_STResetYawRate_DegpS_f32	1
c_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-9.19799995
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	984.228088
target ActivePull Per1 HandwheelVelocity HwRadpS f32.value	41.4821014

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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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elap$	3194928896		
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_Curren$	2891938048		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Ci	nt_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_MpSecS	6q_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_PullCmpCustLrngD	i_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	дс	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNDertarget_Results (Application of the Company of$	target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_frac$	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_D	egpS_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)		V
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		
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime	_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull k EnableHwAuthMin Uls f32	target_Rte_Inst_Ap_ActivePull		
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 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 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 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_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentT			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cn		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_	•	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_EstLatAcc_MpSecSotarget ActivePull Per1 HandwheelAuthority	-	
target Rte Inst Ap ActivePull.ActivePull Per1 HandwheelPosition HwDeg f32	target ActivePull Per1 HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_	· -	
target Rte Inst Ap ActivePull.ActivePull Per1 HwTorque HwNm f32	target ActivePull Per1 HwTorque HwNm f		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
$target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNDermarkers and the property of t$			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleSpeed_Kph_ target_ActivePull_Per1_VehicleYawRate_De		
target_Rte_Inst_Ap_ActiveFull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	gp5_i32	
Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.0000058e-005	6.00000058e-005 ±	
- unomp_ssseam_oio_m_isi	0.000000000	0.00000001490116119384765625	
PullCmp_EnableLearn_Cnt_M_lgc	1	1	~
PullCmp_EnableTime_mS_M_u32	2946783232	2946783232 ± 1	~
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_f32	-0.00154381176	-0.00154381152 ± 0.00048828125	•
PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-0.0155554973 6.0000058e.005	-0.0155554945 ± 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	-0.816040039	-0.816040039 ± 0.00048828125	V
PullCmp_STOppSignTime_mS_M_u32	2891938048	2891938048 ± 1	V

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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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elap$	d 3943379200		
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLine$	m 1410448128		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cr	nt_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_MpSecS	q_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_	_HwDegf32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32000000000000000000000000000000000000$	target_ActivePull_Per1_HandwheelVelocity_	_HwRadpS_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_t	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_lg	gc .	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNerring transfer and the property of the property$	target_ActivePull_Per1_PullCmpShoTermInt	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_track the property of the property$	f: target_ActivePull_Per1_PullCmpShoTermInt	tgtrSt_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_De	egpS_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		
<_EnableHwAuthMin_Uls_f32	1		
k_EnableHwPosMax_HwDeg_f32	45		





Name	Input Value			
k_EnableHwTrqMax_HwNm_f32	2.7999995			
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 k_STIntInputLimit_HwNm_f32	0.100000001			
	45			
k_STLearnTimeDec_Sec_f32 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 Igc.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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Ela$	1753296896			
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_Curren$	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				
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_frame and the properties of the properties o$	target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	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	6.0000058e-005	6.00000058e-005 ±	-	
PullOma English corn Ont Miles	1	0.0000001490116119384765625		
PullCmp_EnableLearn_Cnt_M_lgc	1	1276492049 + 1	V	
PullCmp_EnableTime_mS_M_u32	1276482048	1276482048 ± 1	V	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_f32	-0.000996638322 -0.0100578638	-0.000996638206 ± 0.00048828125	*	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 PullCmp_IncGain_Uls_M_f32	6.0000058e-005	-0.010057861 ± 0.00048828125 6.00000058e-005 ±		
r ullonip_inogalit_ots_ivi_tsz	0.0000000000000000000000000000000000000	0.00000058e-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	~	
<u> </u>	+			



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_UIs_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*
ullCmp STStepSize HwNm M f32	*none*
ullCmp_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_Duffinit_lapsedfinie_iniS_u32(Liapsedfinie)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte Inst Ap ActivePull	target_Rte_Inst_Ap_ActivePull
EnableHwAuthMin Uls f32	aliget_Rte_ilist_Ap_ActivePull
	45
_EnableHwPosMax_HwDeg_f32	
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
C_EnableTime_mS_u32	2000
C_EnableVehSpdMax_Kph_f32	160
x_EnableVehSpdMin_Kph_f32	60
x_EnableVehSpdRateMax_KphpS_f32	1
x_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
s_STLearnTimeDec_Sec_f32	45
z_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
z_STResetHwTrq_HwNm_f32	3
STResetLatAcc_MpSecSq_f32	1
	1
TotalLimit_HwNm_f32	0
arget ActivePull Per1 DisableLearning Cnt Igc.value	0
arget ActivePull Per1 DisableOutput Cnt Igc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-7.53789997
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActiveFull_Per1_HandwheelPosition_HwDeg_f32.value	-269.234985
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	13.3289003
arget ActivePull Per1 HwTorque HwNm f32.value	-7.24209976
	-7.24209976
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.88460004
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	351.696899
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-21.8213005
arget_Pim_PullCmpLTComp_HwNm_f32	*none*
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1255879424
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3827698944
arget_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_MpSecSc	q_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_f	32	
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_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNloadingstream (See Section 1) and the property of the property o$	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f; \\$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_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)	v v v v v v v v v v v v v v v v v v v
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 45		
k_STLearnTimeInc_Sec_f32 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 target ActivePull Per1 PullCmpEna Cnt lgc.value	1		
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.966400027		
target ActivePull Per1 VehicleSpeedValid Cnt Igc.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_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentT	n 195075072		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	nt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSe	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HandwheelVelocity_ target_ActivePull_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target ActivePull Per1 PullCmpEna Cnt Ig		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f			
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_De	egpS_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	6.0000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	-
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	6.0000058e-005	6.00000058e-005 ±	_
		0.00000001490116119384765625	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	V
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	V
PullCmp_ResetPer1_Cnt_M_lgc	0	0	· ·
PullCmp_SComSTComp_Set_Cnt_M_lgc	-0.0966400057	0 -0.0966399983 ± 0.00048828125	
PullCmp_STComp_HwNm_M_f32 PullCmp_STOppSignTime_mS_M_u32	-0.0966400057 2891938048	-0.0966399983 ± 0.00048828125 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	~



Fest Step 1.31 (Repeat Count = 1)	Input Value
PullCmp DecGain Uls M f32	*none*
PullCmp EnableLearn Cnt M Igc	*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*
rullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
tte_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
tte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
EnableHwAuthMin_Uls_f32	1
 _EnableHwPosMax_HwDeg_f32	45
 _EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
EnableLatAccMax MpSecSq f32	0.5
EnableTime_mS_u32	2000
EnableVehSpdMax Kph f32	160
EnableVehSpdMin Kph f32	60
	1
	1
FiltDeadband HwNm f32	0.25
 _PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
	3
 STLearnTimeDec_Sec_f32	45
STLearnTimeInc Sec f32	45
STLimit_HwNm_f32	1
STOppSignTime mS u32	100
STResetHwPos_HwDeg_f32	45
STResetHwTrq_HwNm_f32	3
STResetLatAcc_MpSecSq_f32	1
STResetYawRate DegpS f32	1
TotalLimit HwNm f32	0
arget ActivePull Per1 DisableLearning Cnt Igc.value	1
arget ActivePull Per1 DisableOutput Cnt Igc.value	1
arget ActivePull Per1 EstLatAcc MpSecSq f32.value	6.20349979
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.647099972
arget ActivePull Per1 HandwheelPosition HwDeg f32.value	419.921906
arget ActivePull Per1 HandwheelVelocity HwRadpS f32.value	-28.6933002
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	-5.12860012
arget ActivePull Per1 PullCmpCustLrngDi Cnt Igc.value	0
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value	1.09490001
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget ActivePull Per1 VehicleSpeed Kph f32.value	207.447998
arget_ActivePull_Per1_VehicleSpeed_Rpii_i52.value	120
arget_Pim_PullCmpLTComp_HwNm_f32	*none*
arget_Rite_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsec	
arget_Rte_Call_Ap_ActiveFull_SystemTime_BuffinElapseuffine_inS_u32_Elapseu arget_Rte_Call_Ap_ActiveFull_SystemTime_GetSystemTime_mS_u32_CurrentTim	
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_m5_usz_CurrentTim arget Rte Inst Ap ActivePull.ActivePull Per1 DisableLearning Cnt Igc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_Igc
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
arget Pto Inst An ActivePull ActivePull Deed Head-the-By-Institution 1 0 000	THE REPORT OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32





Name	Input Value			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_	f: target_ActivePull_Per1_PullCmpShoTermIn	tgtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_	arget_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_De	egpS_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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_	2207512064		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_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_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_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	6.0000058e-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_UIs_f32	-0.0155308358	-0.0155308321 ± 0.00048828125	-
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.0000058e-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			V	
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	~
Pte Call An ActivePull SystemTime DtrmnFlansedTime mS u32	1	Pte Call An ActivePull SystemTime DtrmnFlansedTime 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*

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ActivePull Per1 Input Value PullCmp_HwTorqueSTSV_HwNm_M_Str.SV Uls f32 *none* *none* PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32 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 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 DeapS 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 k STOppSignTime mS u32 100 k_STResetHwPos_HwDeg_f32 45 3 $k_STResetHwTrq_HwNm_f32$ k_STResetLatAcc_MpSecSq_f32 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 10 0757999 target ActivePull Per1 HandwheelVelocity HwRadpS f32.value -8.56040001 target_ActivePull_Per1_HwTorque_HwNm_f32.value target ActivePull Per1 PullCmpCustLrngDi Cnt lgc.value 0 target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value target ActivePull Per1 PullCmpShoTermIntatrStOffs HwNm f32.value -6.02820015 target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value 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_ActivePull_Per1_DisableLearning_Cnt_lgc $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc$ 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_Igc target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_lgc$ target ActivePull Per1 PullCmpEna Cnt Igc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32 target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm ft 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_Pim_PullCmpLTComp_HwNm_f32

target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32

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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_UIs_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	~

Name	Input Value
	none
PullCmp_DecGain_Uls_M_f32	
PullCmp_EnableLearn_Cnt_M_lgc	*none* *none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_f32	
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	e) 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
c_EnableHwAuthMin_Uls_f32	1
k_EnableHwPosMax_HwDeg_f32	45
c_EnableHwTrqMax_HwNm_f32	2.79999995
k_EnableHwVelMax_DegpS_f32	10
<_EnableLatAccMax_MpSecSq_f32	0.5
<_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
<_EnableVehSpdRateMax_KphpS_f32	1
<pre>k_EnableYawRateMax_DegpS_f32</pre>	1
<pre><_FiltDeadband_HwNm_f32</pre>	0.25
<pre><_PullCmp_STIntgtrStCorrnGain_Uls_f32</pre>	0.100000001
c_STIntInputLimit_HwNm_f32	3
<pre>c_STLearnTimeDec_Sec_f32</pre>	45
	45
 <_STLimit_HwNm_f32	1
<pre>cc <stoppsigntime_ms_u32< pre=""></stoppsigntime_ms_u32<></pre>	100
<pre>STResetHwPos_HwDeg_f32</pre>	45
<_STResetHwTrq_HwNm_f32	3
<pre>c_stressetLatAcc_MpSecSq_f32</pre>	1
<pre>C_STResetYawRate_DegpS_f32</pre>	1



Activeruil_Fei1		(0)	
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_Cn	t Igc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_		
target Rte Inst Ap ActivePull.ActivePull Per1 EstLatAcc MpSecSq f32	target ActivePull Per1 EstLatAcc MpSecSe		
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_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_		
target Rte Inst Ap ActivePull.ActivePull Per1 HwTorque HwNm f32	target ActivePull Per1 HwTorque HwNm f		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpCustLrngDi Cnt Igc	target_ActivePull_Per1_PullCmpCustLrngDi	Cnt lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3		gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	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_De	gpS_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	6.0000058e-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			V	
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	e_DtrmnElapsedTime_mS_u32_ElapsedTime	е
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime	e_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		
	60		
k_EnableVehSpdMin_Kph_f32			
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		
	1		
k_STResetLatAcc_MpSecSq_f32			
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	0.2200007		
	165.916397		
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value			
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			
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_Curren$	755524352		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cr	ıt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	<u>Igc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	q_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target Rte Inst Ap ActivePull.ActivePull Per1 HandwheelPosition HwDeg f32	target ActivePull Per1 HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_	·	
target Rte Inst Ap ActivePull.ActivePull Per1 HwTorque HwNm f32	target_ActivePull_Per1_HwTorque_HwNm_1		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN		·	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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	6.0000058e-005	6.00000058e-005 ±	Loouit
		0.000000386-003 ± 0.00000001490116119384765625	
PullCmp EnableLearn Cnt M Igc	1	1	-
PullCmp_EnableTime_mS_M_u32	755524352	755524352 ± 1	-
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.00227595912	-0.00227595912 ± 0.00048828125	
			- 4
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.0226735082	-0.0226735044 ± 0.00048828125	
PullCmp_IncGain_Uls_M_f32	6.0000058e-005	6.0000058e-005 ± 0.0000001490116119384765625	✓
		0.0000001400110110004700020	

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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	~

est Step 1.36 (Repeat Count = 1)	Invest Value
ame	Input Value
ullCmp_DecGain_Uls_M_f32	*none*
ullCmp_EnableLearn_Cnt_M_lgc	*none*
ullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	*none*
ullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	*none*
ullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	*none*
ullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
ullCmp_IncGain_Uls_M_f32	*none*
ullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	*none*
ullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	*none*
ullCmp_ResetPer1_Cnt_M_lgc	*none*
ullCmp_SComSTCompSet_Cnt_M_lgc	*none*
ullCmp_SComSTComp_HwNm_M_f32	*none*
ullCmp_STComp_HwNm_M_f32	*none*
ullCmp_STOppSignTime_mS_M_u32	*none*
ullCmp_STStepSize_HwNm_M_f32	*none*
ullCmp_VehSpdRate_KphpS_M_f32	*none*
ullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	*none*
ullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	*none*
te_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
e_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
EnableHwAuthMin_Uls_f32	1
EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
STLearnTimeDec_Sec_f32	45
STLearnTimeInc_Sec_f32	45
STLimit_HwNm_f32	1
STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
STResetHwTrq_HwNm_f32	3
STResetLatAcc_MpSecSq_f32	1
STResetYawRate_DegpS_f32	1
TotalLimit_HwNm_f32	0
rget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
rget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
rget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	5.1164999
rget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
rget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-124.918404
urget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-37.4858017
riget 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_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentT	1305582080		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Ci	nt_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_MpSecS	q_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_PullCmpCustLrngD	_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lo	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCm$	target_ActivePull_Per1_PullCmpShoTermIn	tgtrSt_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_D	egpS_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*	

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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	2.7999995
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 Igc.value	1

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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)	ب ا
	Innut Walter
Name	Input Value
PullCmp_DecGain_Uls_M_f32	*none*
PullCmp_EnableLearn_Cnt_M_lgc	*none*
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_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_Igc.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 Igc.value	1
target ActivePull Per1 PullCmpEna Cnt Igc.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*
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Name	Input Value		
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapse	d 4188155136		
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentT	m 3367507712		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C	nt_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_MpSecS	6q_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority	y_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_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngD	i_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_le	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_Hwl	target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_	f: target_ActivePull_Per1_PullCmpShoTermIn	tgtrSt_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 ± 0.0000001490116119384765625	~
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

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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 0		
k_TotalLimit_HwNm_f32	1		
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0		
target_ActivePull_Per1_DisableOutput_Cnt_gc.value 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			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cr	nt_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_MpSecS	q_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_Igc	target_ActivePull_Per1_PullCmpCustLrngDi	_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_from the properties of the$			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	
PullCmp EnableLearn Cnt M Igc	1	0.00000001490116119384765625	
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	٠,
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	٠,
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	

-0.211809993

 $target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value$

-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)	L WI
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
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
C_STIntInputLimit_HwNm_f32	3
_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
C_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
z_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	10
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-629.388184
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-16.6702995
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	3.14829993
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	0
arget ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value	10
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	83.4994965
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-69.3311005
arget_Pim_PullCmpLTComp_HwNm_f32	*none*
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsec	
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	
a.goto_odiiiptotivor dii_oystelli ililio_octoystelli ililio_uioz_odii elittilli	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_MpSecS	q_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_	<u>f</u> 32	
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_lo	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_Hwf	N target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm_IntgrSt_HwNm$ IntgrSt_HwNm_IntgrSt_HwNmIntgrSt_HwNmIntgrSt_HwNmIntgrSt_HwNmIntgrSt	f: target_ActivePull_Per1_PullCmpShoTermIn	tgtrSt_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_D	egpS_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
c_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1

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ActivePuii_Peri		(GA	SILAU
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 STResetHwTrg 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_CurrentTime_	4259637248		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority	_Ulsf32	
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_f	32	
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_lg		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_t32	
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 Igc	1	1	•
PullCmp EnableTime mS M u32	4259637248	4259637248 ± 1	
PullCmp HwTorqueSTSV HwNm M Str.SV UIs 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 ±	
		0.00000001490116119384765625	
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	-0.646990001	-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_UIs_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)	
	Input Value
Name PullCmp DecGain Uls M f32	Input Value *none*
PullCmp EnableLearn Cnt M Igc	*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 k EnableHwAuthMin Uls f32	target_Rte_Inst_Ap_ActivePull
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.7999995
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	0
k_TotalLimit_HwNm_f32 target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableDeathing_Ont_igc.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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_El$	
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim	
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_Igc	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_Rte_Inst_Ap_ActivePull.ActivePull Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_HwTorque_HwNm_f32 target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
target_Rte_inst_Ap_ActivePull.ActivePull_Perl_PullCmpEna_Cnt_lgc target_Rte_inst_Ap_ActivePull.ActivePull_Perl_PullCmpEna_Cnt_lgc	target_ActivePull_Perl_PullCmpEna_Cnt_lgc target_ActivePull_Perl_PullCmpEna_Cnt_lgc
target_Rte_inst_Ap_ActivePull.ActivePull_Perl_PullCmpShoTermIntgtrStOffs_HwNi	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	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 Igc	*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 Igc.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	d 2464843520		
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTin			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc	target ActivePull Per1 DisableLearning C	nt lac	
target Rte Inst Ap ActivePull.ActivePull Per1 DisableOutput Cnt Igc	target ActivePull Per1 DisableOutput Cnt		
target Rte Inst Ap ActivePull.ActivePull Per1 EstLatAcc MpSecSq f32	target_ActivePull_Per1_EstLatAcc_MpSecS		
target Rte Inst Ap ActivePull.ActivePull Per1 HandwheelAuthority Uls f32	target ActivePull Per1 HandwheelAuthorit	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition	· 	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngD		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_l		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN		•	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_		
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeed Kph f32	target_ActivePull_Per1_VehicleSpeed_Kph		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	еуро_102	
		I=	I
Name	Actual Value	Expected Value	Resul
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 UIs 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	6.0000058e-005	6.0000058e-005 ±	
FullOnp_incgain_ois_ivi_i32	6.00000036e-003	0.000000368-003 ± 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	٠,
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	
		-1 ± 0.00048828125	
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-1		

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*

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Name	Input Value
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	*none*
PullCmp_IncGain_Uls_M_f32	*none*

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 ± 0.00000001490116119384765625	~
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	-0.435200036	-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 Igc.value	0

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target_ActivePull_Pert_HandwheelAuthority_Uls_132 value 1 1 1 1 1 1 1 1 1	
target_ActivePull_Per1 HandwheelPosition HwDeg 32 value 408.741516 11.8434999 407.777 407.784675 32 value 407.777 407.784675 407.777 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 407.784675 40	
Larget_ActivePull_Perf HandwheelVelocity_HwRadpS_132.value	
target_ActivePull_Pert_PullCmpCust_mgDi_Cnt_lgc.value 1 target_ActivePull_Pert_PullCmpCust_mgDi_Cnt_lgc.value 1 target_ActivePull_Pert_PullCmpEna_Cnt_lgc.value 1 target_ActivePull_Pert_PullCmpEna_Cnt_lgc.value 0 target_ActivePull_Pert_VehicleSpeedValid_Cnt_lgc.value 0 target_ActivePull_Pert_VehicleSpeedValid_Cnt_lgc.value 0 target_ActivePull_Pert_VehicleSpeed_Kph_f32.value 1.8.5002995 target_Pim_PullCmpLTComp_HwNm_f32 1 target_Pim_PullCmpLTComp_HwNm_f32 1 target_Ric_Gall_Ap_ActivePull_SystemTime_DtmnElapsedTime_ms_u32_Elapsed 2888599184 target_Ric_Gall_Ap_ActivePull_SystemTime_GelfsystemTime_ms_u32_CurrentTim target_Ric_Inst_Ap_ActivePull_Pert_DisableLearning_Cnt_lgc target_Ric_Inst_Ap_ActivePull_ActivePull_Pert_DisableLearning_Cnt_lgc target_Ric_Inst_Ap_ActivePull_ActivePull_Pert_DisableCutput_Cnt_lgc target_Ric_Inst_Ap_ActivePull_ActivePull_Pert_BandwheelPosition_HwDeg_f32 target_Ric_Inst_Ap_ActivePull_ActivePull_Pert_HandwheelPosition_HwDeg_f32 target_Ric_Inst_Ap_ActivePull_ActivePull_Pert_HandwheelPosition_HwDeg_f32 target_Ric_Inst_Ap_ActivePull_ActivePull_Pert_HandwheelVolocity_HwRadpS_f32 target_Ric_Inst_Ap_ActivePull_ActivePull_Pert_PullCmpEna_Cnt_lgc target_Ric_Inst_Ap_ActivePull_ActivePull_Pert_VehicleSpeedValid_Cnt_lgc target_Ric_Inst_Ap_ActivePull_ActivePull_Pert_VehicleSpeedValid_Cnt_lgc target_Ric	
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value 1 target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value 1 target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value 0 target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value 0 target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value 50.7336998 target_ActivePull_Per1_VehicleSpeed_Kph_f32.value 50.7336998 target_ActivePull_Per1_VehicleSpeed_Kph_f32.value 50.7336998 target_ActivePull_Per1_VehicleSpeed_Kph_f32.value 18.5002995 target_Ric_Dall_Ap_ActivePull_SystemTime_DtrmnElapsedTime_ms_u32_Elapsed 2996509184 target_Ric_Dall_Ap_ActivePull_SystemTime_GetSystemTime_ms_u32_CurrentTim 24832007936 target_Ric_Dall_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc 2996509184 target_Ric_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc 2996509184 target_Ric_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCust_NdDeg_132 2996509184 target_Ric_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCust_NdDeg_132 2996509184 target_Ric_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCust_NdDeg_132 2996509184 target_Ric_Inst_Ap_ActivePull_ActivePull_Per1_Pull	
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value 1 1 1 1 1 1 1 1 1	
target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc.value 0 target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc.value 0 target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc.value 0 target_ActivePull_Per1_VehicleSpeed_Kpf_rg2.value 1-18.5002995 target_Pim_PullCmpLTComp_HwNm_rg2 1-18.5002995 target_Pim_PullCmpLTComp_HwNm_rg2 1-18.5002995 target_Pim_PullCmpLTComp_HwNm_rg2 2-18.5002995 target_Rie_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_Elapsed 2-2895509184 target_Rie_Call_Ap_ActivePull_ActivePull_Per1_DisableCutput_Cnt_Igc 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_DisableCutput_Cnt_Igc 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_DisableCutput_Cnt_Igc 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_DisableCutput_Cnt_Igc 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_DisableCutput_Cnt_Igc 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_BistatAcc_MpSecSq_ris2 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_BistatAcc_MpSecSq_ris2 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_BandwheelPosition_InvDeg_ris2 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_BandwheelPosition_InvDeg_ris2 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_BandwheelPosition_InvDeg_ris2 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_BandwheelPosition_InvDeg_ris2 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_BandwheelPosition_InvDeg_ris2 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_BandwheelPosition_InvDeg_ris2 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_InvDeg_ris2 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCapt_Cnt_Igc 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc 1-2805509184 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Rip	
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value 50.7336998 target_ActivePull_Per1_VehicleSpeed_Kph_f32.value 50.7336998 target_ActivePull_Per1_VehicleSpeed_Kph_f32.value 18.5002995 target_Pim_PullCmpLTComp_HwNm_f32 50.736998 target_Ret_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed 2896509184 target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime target_Rte_Call_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc 50.736998 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc 50.736998 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Ull_F302 50.736998 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Ull_F302 50.736998 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Ull_F302 50.736998 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Ull_F302 50.736998 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCust_mg01_Cnt_lgc 50.736998 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCust_mg01_Cnt_lgc 50.736998 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtSt0ffs_HwN1	
target_ActivePull_Perl_VehicleSpeed_Kph_f32.value target_ActivePull_Perl_VehicleYawRate_DegpS_f32.value target_Pim_PullCmpLTComp_HwMm_f32 target_Pim_PullCmpLTComp_HwMm_f32 target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim target_Rte_Call_Ap_ActivePull_ActivePull_Perl_DisableLearning_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_DisableLearning_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_DisableLearning_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_Est_atAcc_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_HandwheelVeloity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_HandwheelVeloity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_PullCmpCustLmgDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_PullCmpEna_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_PullCmpEna_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_PullCmpEna_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_PullCmpShoTermIntgtrStOffs_HwNn target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_PullCmpShoTermIntgtrStOffs_HwNn target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_PullCmpShoTermIntgtrStOffs_HwNn target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Perl_V	
target_ActivePull_Per1_VehicleYawRate_DegpS_f32_value -18.5002995 *none* target_Rie_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed 2896509184 283205936 target_Rie_Call_Ap_ActivePull_ActivePull_SystemTime_GetSystemTime_mS_u32_Elapsed 283205936 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Uis_f32 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_HulCmpCoustLmgDi_Cnt_lgc target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCoustLmgDi_Cnt_lgc target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_lgc target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_lgc target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rie_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rie_Inst_Ap_ActivePull_Rie_Inst_Ap_ActivePull_Rie_Inst_Ap_ActivePull_Rie_Inst_Ap_ActivePull_Rie_Inst_Ap_ActivePull_Rie	
target_Pim_PullCmpLTComp_HwNm_f32	
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim target_Rte_Inst_Ap_ActivePull_CtrvePull_Per1_DisableLearning_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_DisableLoutput_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_DisableLoutput_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_Est.atAcc_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_PullCmpCustLrmgDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpEna_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwN target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwN target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwN target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwN target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwN target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwN target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwN target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwN tar	
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLoutput_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull_Per1_PullCmpCustLmgDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpEna_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt HwNm_f3 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt HwNm_f3 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedKph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpee	
target_Rte_Inst_Ap_ActivePull_Per1_DisableLearning_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_DisableCutput_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableOutput_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCustLmgDi_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOfffs_HwNl target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOfffs_HwNl target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt HwNm_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Pim_PullCmpLTComp_HwNm_f32 Name Actual Value Expected Value 6.00000058e-005 6.0000001490116119384765625	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableOutput_Cnt_igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCustLrngDi_Cnt_igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNI target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNI target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt HwNI target_ActivePull_Per1_PullCmpShoTermIntgtrSt HwNI target_ActivePull_Per1_PullCmpShoTermIntgtrSt HwNI target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNI target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNI target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNI target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNI target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed	
target_Rte_Inst_Ap_ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_PullCmpCustLrmgDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpCustLrmgDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpSnoTermIntgtrStOffs_HwNl target_Rte_Inst_Ap_ActivePull_Per1_PullCmpSnoTermIntgtrStOffs_HwNl target_Rte_Inst_Ap_ActivePull_Per1_PullCmpSnoTermIntgtrStOffs_HwNl target_Rte_Inst_Ap_ActivePull_Per1_PullCmpSnoTermIntgtrStOffs_HwNl target_Rte_Inst_Ap_ActivePull_Per1_PullCmpSnoTermIntgtrStOffs_HwNl target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNl f5 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Rer1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePu	
target_Rte_Inst_Ap_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpEna_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN ff target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_Vehicl	
target_Rte_Inst_Ap_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull_Per1_PullCmpCustLmgDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpEna_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNI target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNI target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNI target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32	
target_Rte_Inst_Ap_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull_Per1_PullCmpCustLmgDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpEna_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNI target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNI target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNI target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32	
target_Rte_Inst_Ap_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpEna_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNl target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNl target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNl target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNl ff target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Pim_PullCmpLTComp_HwNm_f32 Name Actual Value Expected Value R 6.00000058e-005 6.000000058e-005 6.000000058e-005 5.000000001490116119384765625	
target_Rte_Inst_Ap_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpEna_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrSt HwNm f5 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1	
target_Rte_Inst_Ap_ActivePull_Per1_PullCmpEna_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrSt HwNm ff target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Pin_PullCmpLTComp_HwNm_f32 Name Actual Value Expected Value R 6.00000058e-005 6.00000058e-005 ± 0.00000001490116119384765625	
target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN ft target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Pin_PullCmpLTComp_HwNm_f32 Name Actual Value Expected Value R 6.00000058e-005 6.00000058e-005 6.0000005490116119384765625	
target Rte Inst Ap ActivePull Per1 PullCmpShoTermIntgtrSt HwNm ft target Let Inst Ap ActivePull Per1 PullCmpShoTermIntgtrSt HwNm ft target Let Inst Ap ActivePull ActivePull Per1 VehicleSpeedValid Cnt Igc target Rte_Inst Ap ActivePull ActivePull Per1 VehicleSpeed Kph_f32 target Rte_Inst Ap ActivePull ActivePull Per1 VehicleSpeed Kph_f32 target Rte_Inst Ap ActivePull ActivePull Per1 VehicleYawRate DegpS_f32 target Rte_Inst Ap ActivePull Per1 VehicleYawRate DegpS_f32 target Pim_PullCmpLTComp_HwNm_f32 Name Actual Value Expected Value Red.00000058e-005	
target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull_Pin_PullCmpLTComp_HwNm_f32 Name PullCmp_DecGain_Uls_M_f32 Actual Value 6.00000058e-005 6.00000058e-005 6.00000058e-005 0.0000001490116119384765625	
target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull_Pin_PullCmpLTComp_HwNm_f32 Name Actual Value Expected Value R 6.00000058e-005 6.00000058e-005 6.0000005490116119384765625	
target_Rte_Inst_Ap_ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull_Pin_PullCmpLTComp_HwNm_f32 Name Actual Value Expected Value R 6.00000058e-005 6.00000058e-005 ± 0.00000001490116119384765625	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32 target_Pim_PullCmpLTComp_HwNm_f32 Expected Value R Name Actual Value Expected Value R PullCmp_DecGain_Uls_M_f32 6.00000058e-005 6.00000058e-005 ± 0.0000001490116119384765625 0.0000001490116119384765625	
Name Actual Value Expected Value R PullCmp_DecGain_Uls_M_f32 6.00000058e-005 6.00000058e-005 ± 0.0000001490116119384765625	
PullCmp_DecGain_Uls_M_f32 6.0000058e-005 6.00000058e-005 0.0000001490116119384765625	
PullCmp_DecGain_Uls_M_f32 6.0000058e-005 6.00000058e-005 c.00000001490116119384765625	Result
PullCmp Enghlel earn Cat M lac	~
rulionity_thatieteant_ont_wi_ige	~
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_UIs_M_f32 6.00000058e-005 6.00000058e-005 0.0000001490116119384765625	~
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	•
PullCmp_STComp_HwNm_M_f32	✓
PullCmp_STOppSignTime_mS_M_u32 2832007936 2832007936 ± 1	✓
PullCmp_STReset_Cnt_M_lgc 1 1	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_UIs_f32 -0.835374475 -0.835374415 ± 0.00390625	~
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value -0 0 ± 0.00048828125	~

Test Step Call Trace			V	
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 An ActivePull SystemTime DtrmnFlansedTime mS u32	1	Rte Call An ActivePull SystemTime DtrmnFlansedTime mS u32	1	V

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*	

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ActivePull Per1 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 k_EnableHwPosMax_HwDeg_f32 45 k_EnableHwTrqMax_HwNm_f32 2.79999995 k EnableHwVelMax DegpS f32 10 k_EnableLatAccMax_MpSecSq_f32 0.5 2000 k EnableTime mS u32 k_EnableVehSpdMax_Kph_f32 160 k_EnableVehSpdMin_Kph_f32 60 k_EnableVehSpdRateMax_KphpS_f32 1 k_EnableYawRateMax_DegpS_f32 $k_FiltDeadband_HwNm_f32$ 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 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 Igc.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 -0.0361000001 $target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value$ target_ActivePull_Per1_HwTorque_HwNm_f32.value 10 target ActivePull Per1 PullCmpCustLrngDi Cnt lgc.value 0 target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value target ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value -7.24209976 target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value

$target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed$	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

 $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi_target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32$ target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32 $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc$ $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32$

target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc

target_Rte_Inst_Ap_ActivePull.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_UIs_f32	0.000976544514	0.000976544514 ± 0.00048828125	✓
PullCmp HwTorqueSV HwNm M Str.SV Uls f32	0.009844 ePull Per1 Eu		

target_ActivePull_Per1_PullCmpEna_Cnt_lgc

target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc

target_ActivePull_Per1_VehicleYawRate_DegpS_f32

target_ActivePull_Per1_VehicleSpeed_Kph_f32

337.882904 3.93910003

none

target_ActivePull_Per1_VehicleSpeed_Kph_f32.value

target_Pim_PullCmpLTComp_HwNm_f32

 $target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value$





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_UIs_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	~

Input Value
none
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
target_Rte_Inst_Ap_ActivePull
1
45
2.79999995
10
0.5
2000
160
60
1
1
0.25
0.100000001
3
45
45
1
1 100
45
3
1
1
0
1
0
0
3.84509993
0.932500005
-750.124512
-9.23449993
3.25270009





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 Ela	psed 82524		
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_Currer	ntTim 96584		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLear	ning_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutp	out_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_M	MpSecSq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelA	Authority_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f3	target_ActivePull_Per1_HandwheelF	Position_HwDeg_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS	_f32 target_ActivePull_Per1_Handwheel\	/elocity_HwRadpS_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_l	HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCus	stLrngDi_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna	a_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_	HwNi target_ActivePull_Per1_PullCmpSho	TermIntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwN	Im_f: target_ActivePull_Per1_PullCmpSho	TermIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpee	edValid_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpee	ed_Kph_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawl	Rate_DegpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNn	n_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*	

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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		me
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime	e_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	0.5		
k_EnableLatAccMax_MpSecSq_f32 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	0.10000001		
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_Igc.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 -6.22550011		
target_ActivePull_Per1_HwTorque_HwNm_f32.value	1		
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value 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_Elapse			
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTin			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C	nt_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_MpSecS	6q_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	y_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_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngD		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_l		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	egpo_io2	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	Funcated V-I	
Name	Actual Value	Expected Value	Resul
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	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	6.0000058e-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	-0.623549998	-0.623549998 ± 0.00048828125	•
PullCmp_STOppSignTime_mS_M_u32	8569956	8569956 ± 1	•
			·
PullCmp_STReset_Cnt_M_lgc PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	1 -0.860120833	1 -0.860120773 ± 0.00390625	

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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	•

ActivePull_Per1

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Test Case 2: PIM Range Test

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ActivePull_Per1



Specification

```
Performance Metrics (With "None" Instrumentation and WithPS Environment)
CPU Cycles:
and WithPS Environment
CPU Cycles:
TS2.1 117.00 Cycles
TS2.2 3354.00 Cycles
TS2.2 3354.00 Cycles
TS2.3 3041.00 Cycles
TS2.5 3571.00 Cycles
TS2.5 3571.00 Cycles
TS2.6 3218.00 Cycles
TS2.7 3516.00 Cycles
TS2.7 3516.00 Cycles
TS2.10 3493.00 Cycles
TS2.11 2999.00 Cycles
TS2.11 2999.00 Cycles
TS2.12 3339.00 Cycles
TS2.13 3167.00 Cycles
TS2.14 3093.00 Cycles
TS2.15 32903.00 Cycles
TS2.16 3345.00 Cycles
TS2.17 3328.00 Cycles
TS2.18 3242.00 Cycles
TS2.19 3626.00 Cycles
TS2.19 3626.00 Cycles
TS2.21 3350.00 Cycles
TS2.22 3353.00 Cycles
TS2.23 3230.00 Cycles
TS2.24 3226.00 Cycles
TS2.25 37350.00 Cycles
TS2.26 3525.00 Cycles
TS2.27 3023.00 Cycles
TS2.28 3739.00 Cycles
TS2.29 2921.00 Cycles
TS2.29 3739.00 Cycles
TS2.29 3739.00 Cycles
TS2.23 3356.00 Cycles
TS2.23 3356.00 Cycles
TS2.23 3357.00 Cycles
TS2.23 3357.00 Cycles
TS2.32 3156.00 Cycles
TS2.33 3357.00 Cycles
TS2.33 3357.00 Cycles
TS2.34 2917.00 Cycles
TS2.35 3511.00 Cycles
TS2.34 3156.00 Cycles
TS2.34 3160.00 Cycles
TS2.37 3415.00 Cycles
TS2.37 3415.00 Cycles
TS2.37 3415.00 Cycles
TS2.38 3024.00 Cycles
TS2.39 3579.00 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
TS2.46 3244.00 Cycles
TS2.47 3960.00 Cycles
TS2.48 3350.00 Cycles
TS2.49 3390.00 Cycles
TS2.51 2920.00 Cycles
TS2.51 2920.00 Cycles
TS2.52 3131.00 Cycles
TS2.53 3551.00 Cycles
TS2.53 3551.00 Cycles
TS2.55 2917.00 Cycles
TS2.56 3341.00 Cycles
TS2.56 3341.00 Cycles
TS2.56 3917.00 Cycles
TS2.57 2917.00 Cycles
TS2.58 ()Tj E0 0 1 13
```

TS2.58 ()Tj EO 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==>Pos TS2.9PullCmp_STComp_HwNm_M_f32==>Neg 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==>Min TS2.14PullCmp_SComSTCompSet_Cnt_M_lgc==>Min 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 IS2.18PullCmp_SComSTComp_HwNm_M_132==>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.SV==>Min
TS2.24PullCmp_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_HwTorqueSV_HwNm_M_Str.SV==>Neg 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=>>Des
TS2.34PullCmp_VehicleYawRateSV_DegpS_M_Str.SV=>>Neg
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 TS2.38PullCmp_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 IS2.44PUIICmp_STStepSize_HwNm_M_f32==>Min
TS2.45PuIICmp_STStepSize_HwNm_M_f32==>Max
TS2.46PuIICmp_STStepSize_HwNm_M_f32==>Pos
TS2.47PuIICmp_VehSpdRate_KphpS_M_f32==>Min
TS2.48PuIICmp_VehSpdRate_KphpS_M_f32==>Max
TS2.49PuIICmp_VehSpdRate_KphpS_M_f32==>Pos
TS2.50PuIICmp_VehSpdRate_KphpS_M_f32==>Zero
TS2.50PuIICmp_VehSpdRate_KphpS_M_f32==>Neg
TS2.52PuIICmp_PrevSTLearnTimeInc_Sec_M_u12p4==>Max
TS2.54PuIICmp_PrevSTLearnTimeInc_Sec_M_u12p4==>Max
TS2.54PuIICmp_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

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	0.5		
k_EnableLatAccMax_MpSecSq_f32 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 45		
k_STResetHwPos_HwDeg_f32	3		
k_STResetHwTrq_HwNm_f32 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_Igc.value	1		
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value 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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Ela$	3042951168		
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_Curren$	1188733440		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cr	t_lgc	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HandwheelVelocity_ target_ActivePull_Per1_HwTorque_HwNm_f	· -	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpEna Cnt Igc	target ActivePull Per1 PullCmpEna Cnt Ig		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f			
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_De	egpS_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 Igc	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 ±	
DullOmn DrayCTI comTimeDe - O M ::40-4	720	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 0.694080055	0 0.694079995 ± 0.00048828125	Ĭ
PullCmp_STComp_HwNm_M_f32 PullCmp_STOppSignTime_mS_M_u32	0.694080055	0.694079995 ± 0.00048828125	
PullCmp_STOppsignTime_ms_w_usz	1	1	
PullCmp VehicleYawRateSV DegpS M Str.SV Uls f32	-50.8595657	-50.8595657 ± 0.00390625	
	0.694080055	0.694079995 ± 0.00048828125	
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value			



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)	
lame	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
	17590.9961
rullCmp_STStepSize_HwNm_M_f32	
PullCmp_VehSpdRate_KphpS_M_f32	3894.74951
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_UIs_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
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
STIntInputLimit_HwNm_f32	3
STLeamTimeDec Sec f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
STResetHwPos HwDeg f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	7.89849997
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1395.14307
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	10.1912003
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	8.44330025
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value	-1.63090003
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	506.343903
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-91.4565964
arget_Pim_PullCmpLTComp_HwNm_f32	10
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	
arget_Rte_Call_Ap_ActivePull_SystemTime_DuminEtapsed1line_mS_u32_Etapsed arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	
	47.17004.0



Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt	lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	y_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_f3	32 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_PullCmpCustLrngD	i_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_I	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_Hv	vNi target_ActivePull_Per1_PullCmpShoTermIr	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_H$	_f; target_ActivePull_Per1_PullCmpShoTermIr	ntgtrSt_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_D	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_DegpS_f32	10	
k_EnableLatAccMax_MpSecSq_f32	0.5	
k_EnableTime_mS_u32	2000	

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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_Cn	t_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_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi	_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	С	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f3	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	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_De	gpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	1.004
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 ± 0.00000001490116119384765625	,
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	1	1	•
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-10.2894459	-10.2894459 ± 0.00390625	•
	0	0 ± 0.00048828125	٠,

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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	t_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_MpSecSc	_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_f3	32	
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_lgd	0	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermInto	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3000000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInto	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_t	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_UIs_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

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ActivePull Per1 Input Value k EnableTime mS u32 2000 160 k_EnableVehSpdMax_Kph_f32 k EnableVehSpdMin Kph f32 60 k_EnableVehSpdRateMax_KphpS_f32 1 k EnableYawRateMax DegpS f32 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 k_STOppSignTime_mS_u32 100 k_STResetHwPos_HwDeg_f32 45 3 k_STResetHwTrq_HwNm_f32 k_STResetLatAcc_MpSecSq_f32 k_STResetYawRate_DegpS_f32 1 k_TotalLimit_HwNm_f32 0 target_ActivePull_Per1_DisableLearning_Cnt_lgc.value 1 $target_ActivePull_Per1_DisableOutput_Cnt_lgc.value$ target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value -6.33769989 $target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value$ 0.3574 304.968414 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value $target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value$ 18 9354992 target_ActivePull_Per1_HwTorque_HwNm_f32.value 2.7671001 target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value $target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value$ target ActivePull Per1 PullCmpShoTermIntatrStOffs HwNm f32.value 1.44060004 target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value target ActivePull Per1 VehicleSpeed Kph f32.value 365.146912 target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value 18.1651993 -2.46320009 target Pim PullCmpLTComp HwNm f32 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_Igc target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc target_ActivePull_Per1_PullCmpEna_Cnt_lgc $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_lgc$ 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	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 ± 0.00000001490116119384765625	•
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	-0.144060001	-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				V
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	~

est Step 2.6 (Repeat Count = 1)	
ame	Input Value
ullCmp DecGain Uls M f32	5.4000001e-005
ullCmp EnableLearn Cnt M lgc	0
ullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.22899997
ullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.619205296
ullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
ullCmp HwTorqueSV HwNm M Str.K Uls f32	0.00125584798
ullCmp_IncGain_Uls_M_f32	5.27000011e-005
ullCmp PrevSTLearnTimeDec Sec M u12p4	2000
ullCmp PrevSTLearnTimeInc Sec M u12p4	160
ullCmp ResetPer1 Cnt M lgc	0
ullCmp_SComSTCompSet_Cnt_M_lgc	1
ullCmp_SComSTComp_HwNm_M_f32	0.434199989
ullCmp_STComp_HwNm_M_f32	-10
ullCmp_STOppSignTime_mS_M_u32	674
ullCmp STStepSize HwNm M f32	17301.8379
ullCmp_VehSpdRate_KphpS_M_f32	0
ullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
ullCmp VehicleYawRateSV DegpS M Str.K Uls f32	0.00125584798
te_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32 ElapsedTime
te_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
te Inst Ap ActivePull	target_Rte_Inst_Ap_ActivePull
EnableHwAuthMin_Uls_f32	1
EnableHwPosMax HwDeg f32	45
EnableHwTrqMax_HwNm_f32	2.79999995
EnableHwVelMax DegpS f32	10
EnableLatAccMax MpSecSq f32	0.5
EnableTime mS u32	2000
EnableVehSpdMax_Kph_f32	160
EnableVehSpdMin_Kph_f32	60
EnableVehSpdRateMax_KphpS_f32	1
EnableYawRateMax_DegpS_f32	1
FiltDeadband_HwNm_f32	0.25
PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
STIntInputLimit_HwNm_f32	3
STLearnTimeDec_Sec_f32	45
STLearnTimeInc_Sec_f32	45
STLimit_HwNm_f32	1
STOppSignTime_mS_u32	100
STResetHwPos_HwDeg_f32	45
STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
STResetYawRate_DegpS_f32	1
TotalLimit_HwNm_f32	0
rrget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
urget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
riget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
rget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
urget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.4562998
urget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.00150000001
rget_ActivePull_Per1_HwTorque_HwNm_f32.value	0
riget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
riget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
urget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.22899997
riget ActivePull Per1 VehicleSpeedValid Cnt Igc.value	1
riget ActivePull Per1 VehicleSpeed Kph f32.value	86.8964996
urget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
urget_Pim_PullCmpLTComp_HwNm_f32	1.74160004
<pre>ingct_ int_ distributionspire of the company o</pre>	
rget Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim	





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthori	ty_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition	n_HwDeg_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f$	32 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_PullCmpCustLrngE	Di_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_Hr	wNi target_ActivePull_Per1_PullCmpShoTermli	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNntractivePull_Per1_PullCmpShoTermIntgtrSt_HwNntractivePullActivePull_Per1_PullCmpShoTermIntgtrSt_HwNntractivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePul$	n_f; target_ActivePull_Per1_PullCmpShoTerml	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid	I_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph	n_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

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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_Elapse			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentT			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C	nt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	y_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f3			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngD		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_I		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs Hw			
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.0000058e-005	6.00000058e-005 ±	
DullOura Fashlal asses Och Milas	4	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	0.880952358	0.880952358 ± 0.00048828125	1
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 ± 0.00000001490116119384765625	•
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	٠,
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	
. aap_a.raanip_rimimi_m_102	3059527680	3059527680 ± 1	
PullCmp_STOppSignTime_mS_M_u32		22000E1000 T 1	
PullCmp_STOppSignTime_mS_M_u32 PullCmp_STReset_Cnt_M_lac		1	
PullCmp_STOppSignTime_mS_M_u32 PullCmp_STReset_Cnt_M_lgc PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	1 36.9638939	1 36.9638939 ± 0.00390625	•

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Test Step Call Trace

ActivePull_Per1

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Name	Input Value			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	arget_ActivePull_Per1_DisableOutput_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	arget_ActivePull_Per1_HandwheelAuthority_Uls_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_	arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_	arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f	32		
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_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	С		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_frame and the property of the prop$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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	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 ± 0.00000001490116119384765625	•	
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	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

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	Name	Input Value		
Enterland-Registering Light 2000		·		
Employee-Special Mark (Polin 2)				
Employ-Michignating Months Michignation Michi				
Emissive/Supplications/Logis/E.02 1				
R. Filleachbard Membra 12				
Filteratement Moltin 12				
K_DittopsEttingHolomocan_Us_D2				
\$ STamfineting Sec. 92 \$ STamfineting Sec. 92 \$ STAMFINEDING Sec. 92 \$ STOREMINEDING SEC. 92 \$ STOREMI				
## STLeamTrimeDec Sec 12 45 ## STROEGISTORIE MS. 122 45 ## STROEGISTORIE MS. 122 45 ## STROEGISTORIE MS. 123 3 ## STROEGISTORIE MS. 123 1 ## STROEGISTORIE MS. 123 1 ## STROEGISTORIE MS. 124 1 ##				
K. STILMI, HAVIN, 122				
STEAM HANN_ 192				
STRENGHENDO, NAPOR_TIZ STRENGHENDO, NAPOR_				
K. STReenthwTox_I Hubberg 122 45				
S. Fileweithwing Hwithm, 152				
K. STReendarkez, MySecSq. 12 1				
K_STReace*rawRate_Deps_S_122 1				
K_Totalumit_Hwhm_P2 0				
Imaget_ActivePull_Pert_DisableCoupting_Crit_lipc_value				
target_ActivePull_Pert_Isatakce_MpsesSeg_132_value				
larget ActivePull Pert EstatiAnce, MpSecSq, 123 value 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552 1030,28552				
target_ActivePuIL Pert HandwheelAuthorinty_Uis_22xalue 10,9919004 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,79200001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,7920001 14,792000				
target_ActivePull_Per1_HandwheelPosition_HwRadpS_132 value target_ActivePull_Per1_HwTorque_HwNm_f32 value target_ActivePull_Per1_PullCmpGrout_TwSpl_Cnt_lgc value target_ActivePull_Per1_PullCmpGrout_TwSpl_Cnt_lgc value target_ActivePull_Per1_PullCmpGrout_TwSpl_Cnt_lgc value target_ActivePull_Per1_PullCmpGrout_TwSpl_Cnt_lgc value target_ActivePull_Per1_PullCmpGrout_TwSpl_Cnt_lgc value target_ActivePull_Per1_VehicleSpeed_Visio_Cnt_lgc value target_ActivePull_Per1_ActivePull_Per1_HandwheelVehootty_Us_f122 target_Ret_inst_Ap_ActivePull_ActivePull_Per1_HandwheelVehootty_HwRadpS_f32 target_ActivePull_Per1_HandwheelVehotty_Us_f122 target_ActivePull_Per1_HandwheelVehotty_HwRadpS_f32 target_ActivePull_Per1_HandwheelVehotty_Us_f122 target_ActivePull_Per1_PullCmpShotTerminitgrSUffs_HwN _f1 target_ActivePull_Per1_PullCmpShotTerminitgrSUffs_HwN _f2 target_ActivePull_Per1_PullCmpShotTerminitgrSUffs_HwN _f2 target_ActivePull_Per1_PullCmpShotTe				
target_ActivePull_Pert_Hw1Grage_Hw1Mn_f3z_value target_ActivePull_Pert_PulCmpCust.mgD_Crt_govalue target_ActivePull_Pert_PulCmpCust.mgD_Crt_govalue target_ActivePull_Pert_PulCmpCust.mgD_Crt_govalue target_ActivePull_Pert_PulCmpCust.mgD_Crt_govalue target_ActivePull_Pert_PulCmpCust.mgD_Crt_govalue target_ActivePull_Pert_VehicleSpeedValid_Crt_govalue target_ActivePull_Pert_DiabelSeqUalid_Crt_govalue target_ActivePull_Pert_PulCmpErio_Crt_govalue target_Active				
target_ActivePull_Per1_PullCmpCoust.mgbl_Cnt1_go.value target_ActivePull_Per1_PullCmpEna_Cnt_Igo.value target_ActivePull_Per1_PullCmpEna_Cnt_Igo.value target_ActivePull_Per1_PullCmpEna_Cnt_Igo.value target_ActivePull_Per1_PullCmpEna_Cnt_Igo.value target_ActivePull_Per1_VehicleSpeed/xile_Cnt_Igo.value target_ActivePull_Per1_VehicleSpeed xile_Cnt_Igo.value target_ActivePull_Per1_VehicleSpeed xile_Cnt_Igo.value target_PullCmpLTcomp_Hwhm_32 target_PullCmpLTcomp_Hwhm_32 target_PullCmpLTcomp_Hwhm_32 target_PullCmpLTcomp_Hwhm_32 target_PullCmpLTcomp_Hwhm_32 target_PullCmpLTcomp_Hwhm_32 target_Pull_PullCmpLTcomp_Hwhm_32 target_Pull_Pull_Pull_Pull_Pull_Pull_Pull_Pul				
target_ActivePull_Pert_PullCmpErta_cft_Lycavalue target_ActivePull_Pert_PullCmpErta_cft_Lycavalue target_ActivePull_Pert_PullCmpErta_cft_Lycavalue target_ActivePull_Pert_PullCmpErta_cft_Lycavalue target_ActivePull_Pert_VehicleSpeedVallc_Cft_Lycavalue target_ActivePull_Pert_VehicleSpeedVallc_Cft_Lycavalue target_ActivePull_Pert_VehicleSpeedVallc_Cft_Lycavalue target_ActivePull_Pert_VehicleSpeedVallc_Cft_Lycavalue target_ActivePull_Pert_VehicleYawRate_DegpS_f32.value target_ActivePull_Pert_VehicleYawRate_DegpS_f32.value target_ActivePull_Pert_VehicleYawRate_DegpS_f32.value target_Rte_Inst_Ap_ActivePull_Pert_DisableLearning_Cft_Lycataget_Rte_Inst_Ap_ActivePull_Pert_DisableLearning_Cft_Lycataget_Rte_Inst_Ap_ActivePull_Pert_DisableLearning_Cft_Lycataget_Rte_Inst_Ap_ActivePull_Pert_DisableLearning_Cft_Lycataget_Rte_Inst_Ap_ActivePull_Pert_DisableLearning_Cft_Lycataget_Rte_Inst_Ap_ActivePull_Pert_DisableLearning_Cft_Lycataget_Rte_Inst_Ap_ActivePull_Pert_DisableLearning_Cft_Lycataget_Rte_Inst_Ap_ActivePull_Pert_DisableLearning_Cft_Lycataget_Rte_Inst_Ap_ActivePull_Pert_DisableCutput_Cft_Lycataget_ActivePull_Pert_DisableCutput_Cft_Lycataget_ActivePull_Pert_DisableCutput_Cft_Lycataget_ActivePull_Pert_DisableCutput_Cft_Lycataget_ActivePull_Pert_DisableCutput_Cft_Lycataget_ActivePull_Pert_DisableCutput_Cft_Lycataget_ActivePull_Pert_DisableCutput_Cft_Lycataget_ActivePull_Pert_DisableCutput_Cft_Lycataget_ActivePull_Pert_DisableCutput_Cft_Lycataget_ActivePull_Pert_DisableCutput_Cft_Lycataget_ActivePull_Pert_DisableCutput_Cft_Lycataget_ActivePull_Pert_DisableCutput_DisableCutput_Cft_Lycataget_ActivePull_Pert_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_DisableCutput_Disabl				
larget ActivePull_Per1_PullCmpEna_Cnt_lgc.value 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999979 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999 0.0702999999				
target_ActivePull_Per1_PullCmpSh0TermIntgtSlOffs_HwNm_f32_value				
larget ActivePull_Per1_VehicleSpeed\Spin_132\value	target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1		
target_ActivePuil_Pert_VehicleSpeed_Kph_132 value 30.3349991 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995 1.5197995	target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value			
larget_ActivePull_Perl_VehicleYawRate_DegpS_f32.value 30.3349991	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_Pim_PullCmpLTComp_HwNm_[32 target_Ric_Call_Ap_ActivePull_SystemTime_DitmnElapsedTime_mS_u32_Elapsed 37	target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	503.905792		
larget_Ric_Call_Ap_ActivePull_SystemTime_DitmnElapsedTime_mS_u32_Elapsed starget_Ric_Call_Ap_ActivePull_SystemTime_OetSystemTime_mS_u32_CurrenTim_ fatter_Ric_Ric_Ric_Ap_ActivePull_Port_DisableLearning_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_Port_DisableLearning_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_ActivePull_Port_DisableDoutput_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_ActivePull_Port_JisableOutput_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_ActivePull_Port_JisableOutput_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_ActivePull_Port_JisableOutput_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_ActivePull_Port_JisableOutput_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_ActivePull_Port_JisableOutput_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_ActivePull_Port_JisableOutput_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_ActivePull_Port_JisableOutput_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_ActivePull_Port_JisableOutput_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_ActivePull_Port_JisableOutput_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_Port_JisableOutput_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_Port_PullCmpCostt.mpDi_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_Port_PullCmpEna_Cnt_Igc starget_Ric_Inst_Ap_ActivePull_ActivePull_Port_PullCmpShoTermIntgristCifis_HwN starget_Ric_Inst_Ap_ActivePull_Port_PullCmpShoTermIntgristCifis_HwN starget_Ric_Inst_Ap_ActivePull_Port_PullCmpShoTermIntgristCifis_HwN starget_Ric_Inst_Ap_ActivePull_Port_VehicleSpeed_Xpc_T32 starget_ActivePull_Port_PullCmpShoTermIntgristCifis_HwN starget_Ric_Inst_Ap_ActivePull_ActivePull_Port_VehicleSpeed_Xpc_T32 starget_ActivePull_Port_VehicleSpeed_Xpc_T32	target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	30.3349991		
target Rte Call Ap ActivePull SystemTime GetSystemTime ms u32 CurrentTim target Rte. Inst. Ap. ActivePull Pert_DisableLearning_Cnt_get target_Rte. Inst. Ap. ActivePull. ActivePull Pert_DisableLearning_Cnt_get target_Rte. Inst. Ap. ActivePull. ActivePull Pert_EstLatAcc_MpSecSq_f32 target_Rte. Inst. Ap. ActivePull. ActivePull Pert_HandwheelAuthority_UIs_f32 target_Rte. Inst. Ap. ActivePull. ActivePull Pert_HandwheelAuthority_UIs_f32 target_Rte. Inst. Ap. ActivePull. ActivePull Pert_HandwheelVelocity_HwRadps_f32 target_Rte. Inst. Ap. ActivePull. ActivePull Pert_HandwheelVelocity_HwRadps_f32 target_Rte. Inst. Ap. ActivePull. ActivePull Pert_Humory_HwNn_f32 target_Rte. Inst. Ap. ActivePull. ActivePull Pert_PullCmpCustLrngDi_Cnt_get_atarget_Rte. Inst. Ap. ActivePull. ActivePull Pert_PullCmpShoTermintgtrSiOffs_HwN target_Rte. Inst. Ap. ActivePull. ActivePull Pert_VehicleSpeed Vpin_f32 target_Rte. Inst. Ap. ActivePull. ActivePull Pert_VehicleSpeed Vpin_f32 target_Rte. Inst. Ap. ActivePull. Pert_VehicleSpeed Vpin_f32 targe	target_Pim_PullCmpLTComp_HwNm_f32	-1.51979995		
target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_DisableLearning_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_DisableLoutput_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_DisableCutput_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_Est_atAos_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_PullCmpCustLrmgDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_PullCmpCustLrmgDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_PullCmpShoTermIntgtfStGf_HwN target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_PullCmpShoTermIntgtfStGf_HwN target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_PullCmpShoTermIntgtfStGf_HwN target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_PullCmpShoTermIntgtfStGf_HwN target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Pert_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Pert_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Pert_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Pert_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Pert_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Pert_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Pert_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull_Pert_VehicleSpeed_Kpt_32 target_Rte_Inst_Ap_ActivePull_Pert_VehicleSpeed_Kpt_32 target_Rte_Inst_Ap_ActivePull_Pert_VehicleSpeed_Kpt_32 target_Rte_Inst_Ap_ActivePull_Pert_VehicleSpeed_Kpt_32 target_Rte_Inst_Ap_ActivePull_Pert_AndwheelPosition_HwDeg_1SSpeed_Kpt_32 target_Rte_	$target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Ela$	3770058752		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_LandwhealLuthority_Uis_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwhealLuthority_Uis_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwhealPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwhealPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwhealPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwhealPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwhealPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpc_Bro_Cnt_Igc target_ActivePull_Per1_HandwhealPosition_HwDeg_f32 target_ActivePull_Per1_HandwhealPosition_HwDeg_f32 target_ActivePull_Per1_HandwhealPosition_HwDeg_f32 target_ActivePull_Per1_HandwhealPosition_HwDeg_f32 target_ActivePull_Per1_HandwhealPosition_HwDeg_f32 target_ActivePull_Per1_HandwhealPosition_HwDeg_f32 target_ActivePull_Per1_PullCmpCneg_Cnt_Igc target_ActivePull_Per1_PullCmpCneg_Cnt_Igc target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32 target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32 target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc 0.00000058e-005	target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim	1817225728		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadps_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadps_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadps_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCust_trngD_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpCust_trngD_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpCust_trngD_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermintgtrStOffs_HwNn f32 target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermintgtrStOffs_HwNn f32 target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermintgtrStOffs_HwNn f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_ActivePull_Per1_VehicleSpeedVa	target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C	nt_lgc	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_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_Igc target_ActivePull_ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermintgtrStOffs_HwNn target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermintgtrStOffs_HwNn target_ActivePull_Per1_PullCmpShoTermintgtrStOffs_HwNn target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpaed_Ff, f32 target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_VehicleYawRate_DegpS_f32 target_ActivePull_Per1_VehicleSpeed_Valid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_VehicleYawRate_DegpS_f32 target_ActivePull_Per1_VehicleSpeed_Valid_Cnt_Igc target_Rte_Inst_Ap_ActivePull_Per1_VehicleYawRate_DegpS_f32 target_ActivePull_Per1_VehicleSpeed_Valid_Cnt_Igc PullCmp_DecGain_Uls_M_f32 1 PullCmp_EnableIrime_mS_M_u32	target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt	_lgc	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCustLmgDi_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCustLmgDi_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCustLmgDi_Cnt_Igc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtfStOffs_HwN target_ActivePull_Per1_PullCmpShoTermIntgtfStOffs_HwN target_ActivePull_Per1_PullCmpShoTermIntgtfStOffs_HwN target_ActivePull_Per1_PullCmpShoTermIntgtfStOffs_HwN target_ActivePull_Per1_PullCmpShoTermIntgtfStOffs_HwN target_ActivePull_Per1_PullCmpShoTermIntgtfStOffs_HwN target_ActivePull_Per1_PullCmpShoTermIntgtfStOffs_HwN target_ActivePull_Per1_PullCmpShoTermIntgtfStOffs_HwN target_ActivePull_Per1_PullCmpShoTermIntgtfStOffs_HwN target_ActivePull_Per1_PullCmpShoTermIntgtfSt_HwN target_ActivePull_Per1_PullCmpShoTermIntgtfSt_HwN target_ActivePull_Per1_PullCmpShoTermIntgtfSt_HwN target_ActivePull_Per1_PullCmpShoTermIntgtfSt_HwN target_ActivePull_Per1_PullCmpShoTermIntgtfSt_HwN target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f332 target_ActivePu	target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	6q_f32	
target_Rte_Inst_Ap_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull_Per1_HwTorque_HwNm_f32 target_ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCustLmgDi_Cnt_gc target_ActivePull_Per1_PullCmpEna_Cnt_gc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermintgtrStOffs_HwN target_ActivePull_Per1_PullCmpShoTermintgtrStOffs_HwN target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermintgtrSt_HwNm_f3 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_VehicleSpeed/Alid_Cnt_gc target_ActivePull_Per1_VehicleSpeed/Alid_Cnt_gc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed/Alid_Cnt_lgc target_ActivePull_Per1_VehicleSpeed/Alid_Cnt_lgc target_ActivePull_Per1_VehicleSpeed/Alid_Cnt_lgc target_ActivePull_Per1_VehicleSpeed/Alid_Cnt_lgc target_ActivePu	target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority	y_Uls_f32	
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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 PrevSTLearnTimeDec Sec M u12p4	720		
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_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_STComp_HwNm_M_f32 -0.00702999998 -0.00702999998 ± 0.00048828125 PullCmp_STOppSignTime_mS_M_u32 1817225728 1817225728 ± 1	·			
PullCmp_STOppSignTime_mS_M_u32 1817225728 1817225728 ± 1	, = = = = = = = = = = = = = = = = = = =	1		
Lanonih aurzear aur Marchael I				
DullOmn VahioloVaurDataCV Danne M Str SV IIIa 122				
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 Igc	0
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-6.08370018
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.144954711
	-5.1717
PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	
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
	45
k_STResetHwPos_HwDeg_f32	
k_STResetHwTrq_HwNm_f32	3
k_STResetLatAcc_MpSecSq_f32	
k_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	
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	





Name	Input Value			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_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_MpSecSc	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_f	32		
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_lge	С		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNload_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullAct$	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f; \\$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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

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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 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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cr		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelAuthority target_ActivePull_Per1_HandwheelPosition_		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target ActivePull Per1 HandwheelVelocity		
target Rte Inst Ap ActivePull.ActivePull Per1 HwTorque HwNm f32	target ActivePull Per1 HwTorque HwNm 1	· -	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target ActivePull Per1 PullCmpCustLrngDi		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpEna Cnt Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	·	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNi			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f;			
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeedValid Cnt Igc	target ActivePull Per1 VehicleSpeedValid		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target ActivePull Per1 VehicleSpeed Kph		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
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	١ ،



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	4.0599999e-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 Igc	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_DtfffinElapsedTime_mS_u32(ElapsedTime) Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtminiciapsedTime_ms_us2_EtapsedTime target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_us2_CurrentTime
	target Rte Inst Ap ActivePull
Rte_Inst_Ap_ActivePull	target_Rte_inst_Ap_ActivePuil
EnableHwAuthMin_Uls_f32	
x_EnableHwPosMax_HwDeg_f32	45
C_EnableHwTrqMax_HwNm_f32	2.7999995
x_EnableHwVelMax_DegpS_f32	10
C_EnableLatAccMax_MpSecSq_f32	0.5
x_EnableTime_mS_u32	2000
c_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
r_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
:_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
STIntInputLimit_HwNm_f32	3
s_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
z_STOppSignTime_mS_u32	100
STResetHwPos HwDeg f32	45
SSTResetHwTrq_HwNm_f32	3
STResetLatAcc_MpSecSq_f32	1
STResetYawRate_DegpS_f32	1
TotalLimit HwNm f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget ActivePull Per1 DisableOutput Cnt Igc.value	0
arget_ActiveFull_Fer1_bisableOutput_Gnt_igc.value	-3.31680012
arget ActivePull Per1 HandwheelAuthority Uls f32.value	
	0.809700012
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-243.319305 24.0747007
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-21.9717007
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.49559999
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	6.38670015
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	196.443802
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-35.0810013
arget_Pim_PullCmpLTComp_HwNm_f32	3.56450009
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	4152032512
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3356583680
arget_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_MpSecS	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_t	32		
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_lg	С		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNnersetAp_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNnersetAp_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActi$	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCm$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32		
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

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ActivePuil_Peri		14	ACICAL
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 -0.34040001		
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1		
target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc.value			
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value	391.295013		
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value target Pim PullCmpLTComp HwNm f32	-81.2941971		
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2.36520004		
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_Igc	target ActivePull Per1 DisableLearning Cnt	lac	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_I		
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_	_	
target Rte Inst Ap ActivePull.ActivePull Per1 HandwheelPosition HwDeg f32	target_ActivePull_Per1_HandwheelPosition_l		
	target_ActivePull_Per1_HandwheelVelocity_I		
target Rte Inst Ap ActivePull.ActivePull Per1 HwTorque HwNm f32	target_ActivePull_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target ActivePull Per1 PullCmpCustLrngDi		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpEna Cnt Igc	target ActivePull Per1 PullCmpEna Cnt Igo		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNi			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_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	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 PullCmp_IncGain_Uls_M_f32	2.17042327 6.00000058e-005	2.17042327 ± 0.00048828125 6.00000058e-005 ± 0.00000001490116119384765629	5
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	5
PullCmp PrevSTLearnTimeDec_3ec_Wi_172p4 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	
	149	149 ± 1	
PullCmp STOppSignTime mS M u32			
PullCmp_STOppSignTime_mS_M_u32 PullCmp_STReset_Cnt_M_lac	1	1	.
PullCmp_STOppSignTime_mS_M_u32 PullCmp_STReset_Cnt_M_lgc PullCmp VehicleYawRateSV DegpS M Str.SV UIs f32		1 34.5502548 ± 0.00390625	•



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
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_UIs_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
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
EnableVehSpdMax Kph f32	160
	60
	1
 _EnableYawRateMax_DegpS_f32	1
_EiltDeadband_HwNm_f32	0.25
_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
	3
_STIntInputLimit_HwNm_f32	
_STLearnTimeDec_Sec_f32	45
STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	5.96019983
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.87529999
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	573.547119
arget ActivePull Per1 HandwheelVelocity HwRadpS f32.value	-19.2054005
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	-0.653999984
arget ActivePull Per1 PullCmpCustLrnqDi Cnt Iqc.value	0
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-5.55000019
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	121.886703
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	98.5039978
arget_Pim_PullCmpLTComp_HwNm_f32	3.96090007
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3000935936
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1228503040
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	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_MpSecS	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_t	732		
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_lg	c		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInt	tgtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32		
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	-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 ± 0.00000001490116119384765625	•	
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	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

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		`	
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 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	10		
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value 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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim			
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_Igc	target_ActivePull_Per1_DisableOutput_Cnt	t_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	n_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		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngE		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_	~	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target Rte Inst Ap ActivePull.ActivePull Perl PullCmpShoTermIntgtrSt HwNm f			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleSpeed_Kph target ActivePull Per1 VehicleYawRate D	_	
target Rte Inst Ap ActivePull.Pim PullCmpLTComp HwNm f32	target_Pim_PullCmpLTComp_HwNm_f32	7cgpo_132	
Name	Actual Value	Expected Value	Resul
PullCmp DecGain Uls M f32	6.0000058e-005	6.00000058e-005 ±	Resui
	5.555500000 000	0.0000000014901161193847656	325
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 ± 0.000000014901161193847656	325
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	020
PullCmp PrevSTLearnTimeDec_3ec_Wi_u12p4 PullCmp PrevSTLearnTimeInc Sec M u12p4	720	720 ± 0.0625	
PullCmp ResetPer1 Cnt M lgc	0	0	
PullCmp SComSTCompSet Cnt M Igc	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	
	1 47.5511589	1 47.5511627 ± 0.00390625	

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Test Step Call Trace			V
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_Cn	t_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_MpSecSc	q_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_f	32	
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_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3000000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_De	gpS_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	1.13077068	1.13077056 ± 0.00048828125	~
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.698016644	-0.698016584 ± 0.00048828125	~
PullCmp_IncGain_UIs_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	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	3.4000006e-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

ActivePull_Per1





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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentT			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngD		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_I		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	DegpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	,
PullCmp EnableLearn Cnt M Igc	1	1	•
PullCmp_EnableLearn_Cnt_M_gc PullCmp EnableTime mS M u32	500153344	500153344 ± 1	
PullCmp_EnableTime_ms_in_u32 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	6.0000058e-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				V
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	~

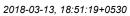
est Step 2.18 (Repeat Count = 1)	
lame	Input Value
ullCmp DecGain Uls M f32	3.85999992e-005
ullCmp EnableLearn Cnt M Igc	0
ullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.816299975
ullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.158473283
ullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.90430021
ullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.709795296
ullCmp_IncGain_Uls_M_f32	1.9999995e-005
ullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1968
ullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3056
ullCmp_ResetPer1_Cnt_M_lgc	0
ullCmp_SComSTCompSet_Cnt_M_lgc	1
ullCmp_SComSTComp_HwNm_M_f32	0
ullCmp_STComp_HwNm_M_f32	0.540799975
ullCmp_STOppSignTime_mS_M_u32	538
ullCmp_STStepSize_HwNm_M_f32	9086.43066
ullCmp_VehSpdRate_KphpS_M_f32	-2302.89941
ullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-67.5150986
ullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
te_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	
_STResetYawRate_DegpS_f32	1
_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.74399996
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.624599993
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	263.965302
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-20.7523003
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	-2.32620001
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0.816299975
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	418.124695
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-111.8731
1 B: D 110 1 TO 11 N 100	-2.87980008
arget_Pim_PullCmpLTComp_HwNm_f32	
urget_Pim_PullCmpLTComp_HwNm_f32 urget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed urget Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim	1122821376



Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthori	ty_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition	n_HwDeg_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f$	32 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_PullCmpCustLrng[Di_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_Hr	wNi target_ActivePull_Per1_PullCmpShoTermI	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNntractivePull_Per1_PullCmpShoTermIntgtrSt_HwNntractivePullActivePull_Per1_PullCmpShoTermIntgtrSt_HwNntractivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePul$	n_f; target_ActivePull_Per1_PullCmpShoTermI	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid	I_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kpl	n_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	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 ± 0.00000001490116119384765625	~
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	-0.081629999	-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			V	
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)	v v v v v v v v v v v v v v v v v v v
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





Result
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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	~



est Step 2.20 (Repeat Count = 1)	Input Value
	1.35e-005
rullCmp_DecGain_Uls_M_f32 rullCmp_EnableLearn_Cnt_M_lgc	0
ullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.60910034
ullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.369738966
rullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.11660004
rullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
rullCmp_IncGain_Uls_M_f32	2.85000006e-005
ullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1408
ullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2192
ullCmp_ResetPer1_Cnt_M_lgc	1
rullCmp_SComSTCompSet_Cnt_M_lgc	0
rullCmp_SComSTComp_HwNm_M_f32	4
rullCmp_STComp_HwNm_M_f32	1.78849995
ullCmp_STOppSignTime_mS_M_u32	638
rullCmp_STStepSize_HwNm_M_f32	6448.93359
ullCmp_VehSpdRate_KphpS_M_f32	2382.95166
ullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32 ullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	-43.5387001 0.115670227
te Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_m5_u32(ElapsedTime) tte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_ActivePull	target Rte Inst Ap ActivePull
EnableHwAuthMin Uls f32	1
_EnableHwPosMax_HwDeg_f32	45
EnableHwTrqMax_HwNm_f32	2.7999995
EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32 STResetYawRate DegpS f32	1
- * -	0
_TotalLimit_HwNm_f32 arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget ActivePull Per1 DisableOutput Cnt Igc.value	1
arget_ActivePull_Per1_DisableOutput_Crit_igc.value	8.94190025
arget ActivePull Per1 HandwheelAuthority Uls f32.value	0.303499997
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	332.0466
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	23.4396
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	-6.22550011
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	8.60910034
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
rrget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	34.9230995
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	82.6093979
rget_Pim_PullCmpLTComp_HwNm_f32	0.496100008
rget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2464843520
rget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2462220544
rget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
rget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc



Name	Input Value			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_PullCmpShoTermInt	arget_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_	<u>f</u> 32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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				V
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	_

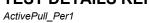
Test Step 2.21 (Repeat Count = 1)	🗸
Name	Input Value
PullCmp_DecGain_Uls_M_f32	5.40000001e-005
PullCmp_EnableLearn_Cnt_M_lgc	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-0.273200005
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.53549957
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	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			
target Rte Inst Ap ActivePull.ActivePull Per1 DisableLearning Cnt Igc	target_ActivePull_Per1_DisableLearning_Cn	t lac	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target ActivePull Per1 EstLatAcc MpSecSo		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_		
	target_ActivePull_Per1_HandwheelVelocity_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi			
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	3r	
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.0000058e-005 ±	
FullOnp_Decoalit_0is_ivi_i32	0.000000386-003	0.000000388-0031	•
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	٠,
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	•
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	٠,
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	
- anomp_0+00mp_1-win_m_102	849035264	849035264 ± 1	
PullCmp STOppSignTime mS M u32	073033204		
PullCmp_STOppSignTime_mS_M_u32	1	1	
PullCmp_STReset_Cnt_M_lgc	1 26 0636808	26.0636870 ± 0.00300625	
	1 -26.9636898 0	1 -26.9636879 ± 0.00390625 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	
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
C_EnableHwAuthMin_Uls_f32	1
c_EnableHwPosMax_HwDeg_f32	45
c_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
c_EnableTime_mS_u32	2000
 E_nableVehSpdMax_Kph_f32	160
EnableVehSpdMin Kph f32	60
C_EnableVehSpdRateMax_KphpS_f32	1
	1
c_EnableYawRateMax_DegpS_f32	
c_FiltDeadband_HwNm_f32	0.25
c_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
c_STIntInputLimit_HwNm_f32	3
C_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
C_STLimit_HwNm_f32	1
<pre>c_STOppSignTime_mS_u32</pre>	100
CSTResetHwPos_HwDeg_f32	45
<_STResetHwTrq_HwNm_f32	3
<_STResetLatAcc_MpSecSq_f32	1
<_STResetYawRate_DegpS_f32	1
k_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	2.61019993
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget ActivePull Per1 HandwheelPosition HwDeg f32.value	-908.741516
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	11.5434999
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	-6.7177
arget_ActiveFull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.73799992
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	50.7336998
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-18.5002995
arget_Pim_PullCmpLTComp_HwNm_f32	2.12319994
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elaps	ped 2896509184
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_Current1	
arget Rte Inst Ap ActivePull.ActivePull Per1 DisableLearning Cnt Igc	target ActivePull Per1 DisableLearning Cnt Igc
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
arget Rte Inst Ap ActivePull.ActivePull Per1 EstLatAcc MpSecSq f32	target ActivePull Per1 EstLatAcc MpSecSq f32
· · · -	
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheeIVelocity_HwRadpS_f	
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc
arget Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs Hv	
arget Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrotons_riv	
	_
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
arget Dto Inst An ActiveDull ActiveDull Dorf VehicleVowDete Dogne f22	target_ActivePull_Per1_VehicleYawRate_DegpS_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32 arget_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	~

lame	Input Value
PullCmp DecGain Uls M f32	2.7599992e-005
PullCmp_EnableLearn_Cnt_M_lgc	2.75999992e-005
	-4.32119989
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.715390444
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	-10
PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	· ·
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	3.36999983e-005
rullCmp_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	e) 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
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
 _EnableVehSpdMax_Kph_f32	160
	60
 _EnableVehSpdRateMax_KphpS_f32	1
	1
	0.25
 _PullCmp_STIntgtrStCormGain_Uls_f32	0.100000001
STIntInputLimit_HwNm_f32	3
STLearnTimeDec Sec f32	45
STLearnTimeInc Sec f32	45
STLimit HwNm f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1

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		• * *		
Name	Input Value			
k_TotalLimit_HwNm_f32	0			
target ActivePull Per1 DisableLearning Cnt Igc.value	1			
target ActivePull Per1 DisableOutput Cnt Igc.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_PullCmpCustLmgDi_Cnt_lgc.value	1			
target ActivePull Per1 PullCmpEna Cnt Igc.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				
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim				
target Rte Inst Ap ActivePull.ActivePull Per1 DisableLearning Cnt Igc	target ActivePull Per1 DisableLearning Cn	t lac		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSo			
target Rte Inst Ap ActivePull.ActivePull Per1 HandwheelAuthority Uls f32	target ActivePull Per1 HandwheelAuthority			
target Rte Inst Ap ActivePull.ActivePull Per1 HandwheelPosition HwDeg f32	target ActivePull Per1 HandwheelPosition			
target Rte Inst Ap ActivePull.ActivePull Per1 HandwheelVelocity HwRadpS f32	target ActivePull Per1 HandwheelVelocity	-		
		· -		
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_Igc	target_ActivePull_Per1_PullCmpCustLrngDi_	,		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc Itarget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN				
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3				
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_0			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gp5_132		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	1	1=	
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	3.9900001		
PullCmp_STComp_HwNm_M_f32	-3.42689991 1224		
PullCmp_STOppSignTime_mS_M_u32 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)		_DtrmnElapsedTime_mS_u32_ElapsedTime	
Rte Call Ap ActivePull SystemTime GetSystemTime mS u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime		
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 k_STResetYawRate_DegpS_f32	1		
k_TotalLimit_HwNm_f32	0		
target_ActivePull_Per1_DisableLearning_Cnt_Igc.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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elapse$	2894428928		
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_	•	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSo	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_	. 0_	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_ target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNi			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f;			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeed Kph f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De		
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	6.0000058e-005	6.0000058e-005 ±	A
12 **** 2**2 2*		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)	Innut Value
lame	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_UIs_f32	3.56299996
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_IncGain_Uls_M_f32	4.37999988e-005
ullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	128
ullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	656
ullCmp_ResetPer1_Cnt_M_lgc	1
ullCmp_SComSTCompSet_Cnt_M_lgc	1
ullCmp_SComSTComp_HwNm_M_f32	-1.7737
ullCmp_STComp_HwNm_M_f32	-0.591499984
rullCmp_STOppSignTime_mS_M_u32	468
ullCmp_STStepSize_HwNm_M_f32	17986.1211
rullCmp_VehSpdRate_KphpS_M_f32	367.929779
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-110.2118
rullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
tte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
EnableYawRateMax_DegpS_f32	1
FiltDeadband_HwNm_f32	0.25
PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
STLimit HwNm f32	1
_STOppSignTime_mS_u32	100
STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
STResetYawRate_DegpS_f32	1
TotalLimit HwNm f32	0
rget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
riget ActivePull Per1 DisableOutput Cnt Igc.value	1
arget ActivePull Per1 EstLatAcc MpSecSq f32.value	5.01350021
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.228699997
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1000.4364
arget ActivePull Per1 HandwheelVelocity HwRadpS f32.value	-30.6818008
arget 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_CurrentTime_	4232053760		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cr	nt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	q_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_	_HwDegf32	
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_t	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_lg	gc .	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3000000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermIn	tgtrSt_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_De	egpS_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_UIs_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	

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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 ElapsedTim	e
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime		
Rte Inst Ap ActivePull	target Rte Inst Ap ActivePull	,	
k_EnableHwAuthMin_UIs_f32	1		
k_EnableHwPosMax_HwDeg_f32	45		
	2.79999995		
k_EnableHwTrqMax_HwNm_f32			
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		
	1		
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value			
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-229.676804		
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	40.400015		
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_Cn	t_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_MpSecSet		
target Rte Inst Ap ActivePull.ActivePull Per1 HandwheelAuthority Uls f32	target ActivePull Per1 HandwheelAuthority		
target Rte Inst Ap ActivePull.ActivePull Per1 HandwheelPosition HwDeg f32	target ActivePull Per1 HandwheelPosition		
target Rte Inst Ap ActivePull.ActivePull Per1 HandwheelVelocity HwRadpS f32	target_ActivePull_Per1_HandwheelVelocity_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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 ±	
Dulloma Enghial com Ont M. In-	1	0.0000001490116119384765625	
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_UIs_f32	1.18784225	1.18784225 ± 0.00048828125	•
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ±	•
Duo Dati Ti Dati in in	700	0.0000001490116119384765625	
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	•
	I.	I.	

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PullCmp_STReset_Cnt_M_lgc

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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				V
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)	
lame	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
rullCmp_STStepSize_HwNm_M_f32	12580.0557
PullCmp_VehSpdRate_KphpS_M_f32	2805.56274
ullCmp_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
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
EnableLatAccMax MpSecSq f32	0.5
EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
FiltDeadband_HwNm_f32	0.25
PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
STIntInputLimit_HwNm_f32	3
STLearnTimeDec Sec f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
 _STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
_TotalLimit_HwNm_f32	0
arget ActivePull Per1 DisableLearning Cnt Igc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget ActivePull Per1 EstLatAcc MpSecSq f32.value	5.9703002
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget ActivePull Per1 HandwheelPosition HwDeg f32.value	140.019897
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-26.9022007
riget ActivePull Per1 HwTorque HwNm f32.value	4.91039991
riget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-9.53919983
arget_ActivePull_Per1_PullCripSnoTermintgtrStOtis_HwiNtil_i52.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	272.018707
arget_ActivePull_Per1_VerlicleSpeed_Kpri_isz.value arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-97.4914017
arget_Activer dil_Ferri_verilcle rawhate_Degpo_loz.value	ווטרוטר. זכר. זכר





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	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_I	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_	_Ulsf32	
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_f3	32	
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_lgd		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpul$	target_ActivePull_Per1_PullCmpShoTermInto	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(t) = target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(t) = target_Rte_Inst_Ap_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullAct$	target_ActivePull_Per1_PullCmpShoTermInto	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_t	f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_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	0.797905922	0.797905803 ± 0.00048828125	~
PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	1.9916153	1.99161518 ± 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	3144588800	3144588800 ± 1	~
PullCmp_STReset_Cnt_M_lgc	1	1	~
PullCmp VehicleYawRateSV DegpS M Str.SV Uls f32	-86.7129974	-86.7129974 ± 0.00390625	✓
Tullottip_verificie rawreateov_begpo_w_out.ov_ots_102			

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 0.100000001		
k_PullCmp_STIntgtrStCorrnGain_Uls_f32 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 0		
target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	313.371613		
target_ActivePull_Per1_VehicleSpeed_Kph_f32.value 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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cr	nt lac	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority	_	
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_	<u>f</u> 32	
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_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	gc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher_Nerricher$	target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fiter and the property of the prop$	target_ActivePull_Per1_PullCmpShoTermIn	tgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	
PullCmp EnableLearn Cnt M Igc	1	1	
PullCmp_EnableTime_mS_M_u32	424339712	424339712 ± 1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_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	6.0000058e-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	•
	0	0 ± 0.00048828125	•
PullCmp_STComp_HwNm_M_f32			
PullCmp_STOppSignTime_mS_M_u32	664	664 ± 1	•
	664 1 127.862343	664 ± 1 1 127.862343 ± 0.00390625	



Test Step Call Trace				V
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)	
lame	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
·- · - · · ·	-58.5340004
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	
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
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
STIntInputLimit_HwNm_f32	3
STLeamTimeDec Sec f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
STResetHwPos HwDeg f32	45
	3
_STResetHwTrq_HwNm_f32	
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	
_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	1.54429996
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	810.141785
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	15.9336004
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	6.59619999
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-0.254999995
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	442.156708
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-109.357201
arget_Pim_PullCmpLTComp_HwNm_f32	-2.4052
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	
arget_Rte_Call_Ap_ActivePull_SystemTime_BuffinEtapsedfiline_inS_u32_Etapsed arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	
arget_rite_cari_np_netiver uii_cysterri iiie_detcysterri iiiie_iiio_usz_curent i iii	2120021012





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cr	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthor	ity_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPositio	n_HwDeg_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_target_Rte_Inst_Ap_ActivePull_Rer1_HandwheelVelocity_HwRadpS_target_Rer2$	f32 target_ActivePull_Per1_HandwheelVelocit	y_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_PullCmpCustLrngl	Di_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_H	wNi target_ActivePull_Per1_PullCmpShoTerm	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	n_f: target_ActivePull_Per1_PullCmpShoTerm	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid	d_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kp	h_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_l	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 ± 0.0000001490116119384765625	•
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 ± 0.00000001490116119384765625	~
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	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	1.3599999e-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

ActivePull_Per1





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 Igc.value	0		
target ActivePull Per1 PullCmpEna Cnt Igc.value	1		
target ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value	10		
target ActivePull Per1 VehicleSpeedValid Cnt Igc.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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTin			
target Rte Inst Ap ActivePull.ActivePull Per1 DisableLearning Cnt Igc	target ActivePull Per1 DisableLearning Cr	nt lac	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority	-	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_1		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f		·	
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeedValid Cnt Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per I_verlide*rawRate_Degp5_i32 target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
		Expected Value	D
Name PullCmp DecGain Llle M f32	Actual Value 6.00000058e-005	Expected Value 6.00000058e-005 ±	Resu
PullCmp_DecGain_Uls_M_f32	0.0000000000000000000000000000000000000	0.00000058e-005 ± 0.00000001490116119384765625	
PullCmp_EnableLearn_Cnt_M_lgc	1	1	
PullCmp_EnableTime_mS_M_u32	3453528832	3453528832 ± 1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_f32	9.31635952	9.31635952 ± 0.00048828125	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	5.17517185	5.1751709 ± 0.00048828125	
PullCmp_IncGain_UIs_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	
	0	0 ± 0.00048828125	
		3453528832 ± 1	
PullCmp_STComp_HwNm_M_f32	3453528832		
PullCmp_STOppSignTime_mS_M_u32	3453528832		
	3453528832 1 -81.8741684	1 -81.8741684 ± 0.00390625	

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Test Step Call Trace				V
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_Cn	t_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_MpSecSc	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_f	32		
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_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	С		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fstarget_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fstarget_Rte_Inst_Ap_ActivePull_RterIntgtrSt_HwNm_fstarget_Rte_Inst_Ap_ActivePull_RterIntgtrSt_HwNm_fstarget_Rte_Inst_Ap_ActivePull_RterIntgtrSt_HwNm_fstarget_Rte_Inst_Ap_ActivePull_RterIntgtrSt_HwNm_fstarget_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntgtrSt_RterIntg$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_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	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 ± 0.00000001490116119384765625	•	
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	0.274250001	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

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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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_Ela$	1939088128		
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentT	4255415552		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cr	nt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	q_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ±	
PullCmp Enablel earn Cnt M Ico	1	0.00000001490116119384765625	
PullCmp_EnableLearn_Cnt_M_lgc PullCmp_EnableTime_mS_M_u32		1	
PullCmp_Enable I ime_ms_M_u32 PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	4255415552 -1.88974571	4255415552 ± 1 -1.88974571 ± 0.00048828125	•
PullCmp HwTorqueSY HwNm M Str.SV Uls f32	-0.236164093	-0.236164168 ± 0.00048828125	
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000000119384765625	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	•
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625 720 ± 0.0625	
	0	0	
PullCmp_ResetPer1_Cnt_M_lgc	0	0	•
PullCmp_SComsTCompSet_Cnt_M_lgc	-0.419		
PullCmp_STComp_HwNm_M_f32 PullCmp_STOppSignTime_mS_M_u32	-0.419 4255415552	-0.419 ± 0.00048828125	•
T UNIONID OTODOSIUITINE INO IVI UOZ	72004 10002	4255415552 ± 1	
	1		
PullCmp_STReset_Cnt_M_lgc PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	1 69.3005905	1 69.3005905 ± 0.00390625	

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Test Step Call Trace				V
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_Cn	arget_ActivePull_Per1_DisableLearning_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	arget_ActivePull_Per1_DisableOutput_Cnt_lgc			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	q_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_f	32		
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_lge	С		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fstarget_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fstarget_Rte_Inst_Ap_ActivePull_Rterianglerendered (App_Rterianglerendered (App_Rterianglerend$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elap$			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentT	m 3105808128		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthori	ty_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition	n_HwDeg_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f3			
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_PullCmpCustLrngE		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs Hw	·		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_		·	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_0	DegpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resu
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ±	
Dullows Frablel same Oak Miles		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	
	0100000120		
	1	1	
PullCmp_STReset_Cnt_M_lgc PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	1 -18.4628334	1 -18.4628353 ± 0.00390625	



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	~

Input Value
2.87000003e-005
1
-9.42080021
0.715390444
5.95749998
0.715390444
1.52000002e-005
2656
224
1
0
-0.957099974
-0.659500003
413
9263.63086
846.786926
-36.3209991
0.161023766
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
target_Rte_Inst_Ap_ActivePull
1
45
2.79999995
10
0.5
2000
160
60
1
1
0.25
0.100000001
3
45
45
1
100
45
3
1
1
0
1
10
1
51.4779015
-34.9676018 0.30440037
9.38440037
1
-9.42080021
0
325.929108
-77.8945999
-0.491699994
2462032896





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	arget_ActivePull_Per1_DisableOutput_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	q_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_f	32	
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_lge	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(t) = target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(t) = target_Rte_Inst_Ap_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullAct$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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	4.03226089	4.03226042 ± 0.00048828125	~
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.40907192	8.40907192 ± 0.00048828125	~
PullCmp_IncGain_UIs_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	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

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ActivePull Per1 Input Value k EnableTime mS u32 2000 160 k_EnableVehSpdMax_Kph_f32 k EnableVehSpdMin Kph f32 60 k_EnableVehSpdRateMax_KphpS_f32 1 k EnableYawRateMax DegpS f32 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 k_STOppSignTime_mS_u32 100 k_STResetHwPos_HwDeg_f32 45 3 k_STResetHwTrq_HwNm_f32 k_STResetLatAcc_MpSecSq_f32 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 $target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value$ target ActivePull Per1 PullCmpShoTermIntatrStOffs 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_Igc 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_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 of Dto Inot An Activo Dull Dim Dull Completions Husbin f2

target_Pim_PullCmpL1Comp_HwNm_f32		
Actual Value	Expected Value	Result
6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	~
1	1	~
1211912448	1211912448 ± 1	~
-1.48635018	-1.48635018 ± 0.00048828125	✓
1.43493414	1.4349339 ± 0.00048828125	~
6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	•
720	720 ± 0.0625	~
720	720 ± 0.0625	~
0	0	•
0	0	~
0.148660004	0.148660004 ± 0.00048828125	~
863	863 ± 1	~
1	1	~
96.6571732	96.6571732 ± 0.00390625	~
0.148660004	0.148660004 ± 0.00048828125	~
	Actual Value 6.00000058e-005 1 1211912448 -1.48635018 1.43493414 6.00000058e-005 720 720 0 0 0.148660004 863 1 96.6571732	Actual Value Expected Value 6.00000058e-005 6.00000058e-005 ± 0.0000001490116119384765625 1 1 1211912448 1211912448 ± 1 -1.48635018 -1.48635018 ± 0.00048828125 1.43493414 1.4349339 ± 0.00048828125 6.00000058e-005 6.00000058e-005 ± 0.000001490116119384765625 720 720 ± 0.0625 720 720 ± 0.0625 0 0 0.148660004 0.148660004 ± 0.00048828125 863 863 ± 1 1 1 96.6571732 96.6571732 ± 0.00390625



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_UIs_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_DtfffinElapsedTime_mS_u32(ElapsedTime) Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_Dtrimic_lapsedTime_mS_u32_EtapsedTime target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
C_EnableHwAuthMin_Uls_f32	
x_EnableHwPosMax_HwDeg_f32	45
C_EnableHwTrqMax_HwNm_f32	2.7999995
x_EnableHwVelMax_DegpS_f32	10
C_EnableLatAccMax_MpSecSq_f32	0.5
x_EnableTime_mS_u32	2000
c_EnableVehSpdMax_Kph_f32	160
z_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
r_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
:_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
STIntInputLimit_HwNm_f32	3
s_STLearnTimeDec_Sec_f32	45
s_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
 _STOppSignTime_mS_u32	100
STResetHwPos HwDeg f32	45
 S_STResetHwTrq_HwNm_f32	3
STResetLatAcc_MpSecSq_f32	1
STResetYawRate_DegpS_f32	1
TotalLimit HwNm f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget ActivePull Per1 DisableLearning_Crit_igc.value	1
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	
	2.23939991
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.757200003
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-490.38681
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	6.84649992
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	8.57400036
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	3.37420011
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	77.8503036
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	47.4799004
arget_Pim_PullCmpLTComp_HwNm_f32	3.3375001
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3739958784
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	
	target_ActivePull_Per1_DisableLearning_Cnt_lgc





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthori	ty_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition	n_HwDeg_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f$	32 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_PullCmpCustLrng[Di_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_Hv	wNi target_ActivePull_Per1_PullCmpShoTermI	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_H$	n_f: target_ActivePull_Per1_PullCmpShoTermI	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid	I_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kpl	n_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_I	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

ActivePull Per1

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Input Value k EnableTime mS u32 2000 160 k EnableVehSpdMax Kph f32 k EnableVehSpdMin Kph f32 60 k_EnableVehSpdRateMax_KphpS_f32 1 k EnableYawRateMax DegpS f32 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 k_STOppSignTime_mS_u32 100 k_STResetHwPos_HwDeg_f32 45 3 k_STResetHwTrq_HwNm_f32 k_STResetLatAcc_MpSecSq_f32 k STResetYawRate DeapS 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 $target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value$ target ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value 1.23889995 target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value target ActivePull Per1 VehicleSpeed Kph f32.value 352.439301 target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value 93.3186035 target Pim PullCmpLTComp HwNm f32 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_Igc target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc target ActivePull Per1 PullCmpEna Cnt Igc target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNi target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32 $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePull_PullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, t$ $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc$ target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Pim_PullCmpLTComp_HwNm_f32 target_Rte_Inst_Ap_ActivePull.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 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 6.00000058e-005 ± 0.00000001490116119384765625 PullCmp_IncGain_Uls_M_f32 6.00000058e-005 PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4 720 720 ± 0.0625 720 720 ± 0.0625 PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4 PullCmp_ResetPer1_Cnt_M_lgc 0 0 PullCmp_SComSTCompSet_Cnt_M_lgc 0 0 PullCmp_STComp_HwNm_M_f32 0 ± 0.00048828125 0 $PullCmp_STOppSignTime_mS_M_u32$ 756 756 ± 1 PullCmp_STReset_Cnt_M_lgc 118.638222 ± 0.00390625 PullCmp VehicleYawRateSV DegpS M Str.SV Uls f32 118.638222 0 + 0 00048828125 target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value 0



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	~

est Step 2.39 (Repeat Count = 1)	
ame	Input Value
ullCmp DecGain Uls M f32	2.20000002e-005
ullCmp_EnableLearn_Cnt_M_lgc	1
ullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-10
ullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.52128309
ullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10
ullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
ullCmp_IncGain_Uls_M_f32	4.13999987e-005
ullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	800
ullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	128
ullCmp_ResetPer1_Cnt_M_lgc	0
ullCmp_SComSTCompSet_Cnt_M_lgc	0
ullCmp_SComSTComp_HwNm_M_f32	-1.06280005
ullCmp_STComp_HwNm_M_f32	-0.727599978
ullCmp_STOppSignTime_mS_M_u32	377
ullCmp_STStepSize_HwNm_M_f32	10698.1855
ullCmp_VehSpdRate_KphpS_M_f32	2732.21021
ullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	6.33710003
ullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
te_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	
_TotalLimit_HwNm_f32	0
rget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
rget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
rget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-9.32719994
rget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	770 606475
rget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	778.636475
rget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-6.94250011 1.13200005
rget_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.13390005 1
rget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc.value	1
rget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	
rget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-10
rget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
rget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.266205
rget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-89.3407974
rget_Pim_PullCmpLTComp_HwNm_f32	2409054012
rget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	
rget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3773483520





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	q_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_lg	jc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f$	target_ActivePull_Per1_PullCmpShoTermIn	tgtrSt_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_De	egpS_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	~

T 101 010/D 10 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

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ActivePull_Per1		(82)	SICAL
Name	Input Value		
k_EnableTime_mS_u32	2000		
<pre>c_nableVehSpdMax_Kph_f32</pre>	160		
E_EnableVehSpdMin_Kph_f32	60		
	1		
EnableYawRateMax_DegpS_f32	1		
: FiltDeadband HwNm f32	0.25		
:_niibcadanii_nwivii_ioz :_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001		
	3		
_STIntInputLimit_HwNm_f32			
_STLearnTimeDec_Sec_f32	45		
_STLearnTimeInc_Sec_f32	1		
_STLimit_HwNm_f32			
_STOppSignTime_mS_u32	100		
S_STResetHwPos_HwDeg_f32	45		
_STResetHwTrq_HwNm_f32	3		
_STResetLatAcc_MpSecSq_f32	1		
_STResetYawRate_DegpS_f32	1		
_TotalLimit_HwNm_f32	0		
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0		
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0		
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.06739998		
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.540700018		
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	219.109406		
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-31.9487991		
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	7.20590019		
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0		
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1		
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10		
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	395.004303		
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-83.7450027		
arget_Pim_PullCmpLTComp_HwNm_f32	-2.6644001		
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapse	ed 993250048		
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTin	m 545678592		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_0	Ont lgc	
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cr		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthor		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target ActivePull Per1 HandwheelPositio		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
arget Rte Inst Ap ActivePull.ActivePull Per1 HwTorque HwNm f32	target_ActivePull_Per1_HwTorque_HwNm		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngl	_	
arget Rte Inst Ap ActivePull.ActivePull Per1 PullCmpEna Cnt Igc	target_ActivePull_Per1_PullCmpEna_Cnt_		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_Hwt			
arget Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm			
		·	
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeedValid target_ActivePull_Per1_VehicleSpeed_Kp		
		-	
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_	Degpo_t32	
arget_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
lame	Actual Value	Expected Value	Res
ullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	
ullCmp_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	
ullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	
ullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	
ullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	
PullCmp_ResetPer1_Cnt_M_lgc	0	0	
ullCmp_SComSTCompSet_Cnt_M_lgc	0	0	
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	
PullCmp_STOppSignTime_mS_M_u32	1425	1425 ± 1	
PullCmp_STOppSignTime_mS_M_u32 PullCmp_STReset_Cnt_M_lgc	1425	1425 ± 1	



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 Igc	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_DiffilinElapsedTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Linst_Ap_Active=uii_oysteriffine_Getoysteriffine_inio_uoz(currentfine)	target_Rte_Inst_Ap_ActivePull
Re_inst_Ap_ActivePull EnableHwAuthMin Uls f32	target_Rte_inst_Ap_ActivePull
c_EnableHwPosMax_HwDeg_f32	45
C_EnableHwTrqMax_HwNm_f32	2.79999995
x_EnableHwVelMax_DegpS_f32	10
x_EnableLatAccMax_MpSecSq_f32	0.5
c_EnableTime_mS_u32	2000
c_EnableVehSpdMax_Kph_f32	160
x_EnableVehSpdMin_Kph_f32	60
c_EnableVehSpdRateMax_KphpS_f32	1
c_EnableYawRateMax_DegpS_f32	1
c_FiltDeadband_HwNm_f32	0.25
c_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
s_STIntInputLimit_HwNm_f32	3
s_STLearnTimeDec_Sec_f32	45
c_STLearnTimeInc_Sec_f32	45
s_STLimit_HwNm_f32	1
c_STOppSignTime_mS_u32	100
C_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
C_STResetLatAcc_MpSecSq_f32	1
 _STResetYawRate_DegpS_f32	1
TotalLimit HwNm f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget ActivePull Per1 DisableOutput Cnt Igc.value	0
arget ActivePull Per1 EstLatAcc MpSecSq f32.value	-7.10860014
arget ActivePull Per1 HandwheelAuthority Uls f32.value	1
arget_ActiveFull_Per1_HandwheelPosition_HwDeg_f32.value	-196.575195
arget ActivePull Per1 HandwheelVelocity HwRadpS f32.value	-29.5876999
· · · - · · -	-29.5676999 5.26179981
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc.value	
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	5.1244998
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.133698
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-54.9476013
arget_Pim_PullCmpLTComp_HwNm_f32	4
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1928290816
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3856634880
arget_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_MpSecSet	arget_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_f	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_lg	С			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32			
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fracti$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_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	~

T4 04 0 40 /P4 04	
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

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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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Ela$	3671629056		
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_m$	3109029632		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C	nt_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_MpSecS	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	y_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_Igc	target_ActivePull_Per1_PullCmpCustLrngD	i_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_l		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpShoTermIntgtrSt_HwNm_fullCmpSho$			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
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	
		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 Igc	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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Ela$	3855150080
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentT	3297422848





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_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_f	32	
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_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fiter(App_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePull$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_UIs_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

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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 k STLearnTimeDec Sec f32	45		
k_STLearnTimeDec_3ec_132	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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim		4 Inc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cn		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_DisableOutput_Cnt_ target_ActivePull_Per1_EstLatAcc_MpSecSecSecSecSecSecSecSecSecSecSecSecSecS		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target ActivePull Per1 HandwheelVelocity		
target Rte Inst Ap ActivePull.ActivePull Per1 HwTorque HwNm f32	target ActivePull Per1 HwTorque HwNm f	· -	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target ActivePull Per1 PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	,	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
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	✓

est Step 2.45 (Repeat Count = 1)	
lame	Input Value
rullCmp_DecGain_Uls_M_f32	2.25999993e-005
ullCmp_EnableLearn_Cnt_M_lgc	0
ullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.94070005
rullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
ullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.89950001
ullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.161723629
ullCmp_IncGain_Uls_M_f32	1.77000002e-005
ullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1984
ullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2224
ullCmp_ResetPer1_Cnt_M_lgc	0
ullCmp_SComSTCompSet_Cnt_M_lgc	1
ullCmp_SComSTComp_HwNm_M_f32	-1.88779998
ullCmp_STComp_HwNm_M_f32	-1.84389997
rullCmp_STOppSignTime_mS_M_u32	770
rullCmp_STStepSize_HwNm_M_f32	20000
ullCmp_VehSpdRate_KphpS_M_f32	3815.53638
rullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-87.7661972
dullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
tte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
tte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
EnableHwTrqMax_HwNm_f32	2.79999995
EnableHwVelMax_DegpS_f32	10
EnableLatAccMax_MpSecSq_f32	0.5
EnableTime mS u32	2000
EnableVehSpdMax_Kph_f32	160
EnableVehSpdMin_Kph_f32	60
	1
EnableYawRateMax_DegpS_f32	1
FiltDeadband HwNm f32	0.25
PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
STLearnTimeDec Sec f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
STResetHwTrg HwNm f32	3
_STResetLatAcc_MpSecSq_f32	1
	1
_STResetYawRate_DegpS_f32 TotalLimit HwNm f32	0
	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	-0.367199987
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.6523
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1283.45117
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-8.29679966
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	8.19089985
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	6.94070005
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	465.239594
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	107.263199
arget_Pim_PullCmpLTComp_HwNm_f32	-3.96589994
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2507724060





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_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_MpSecSc	q_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_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi_	_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fracti$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_e	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_De	gpS_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	~

T 101 040/D 10 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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Ela$	d 1784507648		
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_Curren$	m 3845478144		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C	nt_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_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	y_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition	_HwDeg_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32000000000000000000000000000000000000$	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_PullCmpCustLrngD	i_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_I	gc	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	li target_ActivePull_Per1_PullCmpShoTermli	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_transfer = 0.0000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermli	ntgtrSt_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_D	egpS_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	•
	1	1	
PullCmp_STReset_Cnt_M_lgc PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	1 -62.0207405	-62.0207367 ± 0.00390625	



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)	Innut Value
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	4.1900006
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
EnableHwAuthMin_Uls_f32	1
EnableHwPosMax_HwDeg_f32	45
EnableHwTrgMax HwNm f32	2.79999995
z_EnableHwVelMax_DegpS_f32	10
EnableLatAccMax MpSecSq f32	0.5
EnableTime mS u32	2000
EnableVehSpdMax Kph f32	160
:_EnableVehSpdMin_Kph_f32	60
	1
c_EnableVehSpdRateMax_KphpS_f32	1
x_EnableYawRateMax_DegpS_f32	
x_FiltDeadband_HwNm_f32	0.25
x_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
S_STIntInputLimit_HwNm_f32	3
x_STLearnTimeDec_Sec_f32	45
x_STLearnTimeInc_Sec_f32	45
C_STLimit_HwNm_f32	1
C_STOppSignTime_mS_u32	100
x_STResetHwPos_HwDeg_f32	45
C_STResetHwTrq_HwNm_f32	3
z_STResetLatAcc_MpSecSq_f32	1
:_STResetYawRate_DegpS_f32	1
:_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-4.08620024
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-1270.14246
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	20.7404995
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	-4.30849981
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value	4.1900006
arget ActivePull Per1 VehicleSpeedValid Cnt Igc.value	1
arget ActivePull Per1 VehicleSpeed Valid_Ont_igc.value	313.981598
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	45.972599
	3.99670005
arget_Pim_PullCmpLTComp_HwNm_f32	
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	q_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_f	32	
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_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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

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ActivePuil_Per1			TICAL
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_Cr	nt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	q_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_t		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target ActivePull Per1 PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target ActivePull Per1 PullCmpEna Cnt Ig	ic	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNi			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_		
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeed Kph f32	target ActivePull Per1 VehicleSpeed Kph		
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleYawRate DegpS f32	target_ActivePull_Per1_VehicleYawRate_De		
target Rte Inst Ap ActivePull.Pim PullCmpLTComp HwNm f32	target_Pim_PullCmpLTComp_HwNm_f32	<u> </u>	
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.0000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	Resul
PullCmp EnableLearn Cnt M Igc	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	٠,
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)	
lame	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_DtffilinLiapsedTime_inS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Re_Call_Ap_Activer dil_System fine_GetSystem fine_InS_u32(Current fine)	target_Rte_Inst_Ap_ActivePull
EnableHwAuthMin Uls f32	1
	45
_EnableHwPosMax_HwDeg_f32	2.79999995
_EnableHwTrqMax_HwNm_f32	
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.63940001
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.877699971
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	297.391693
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-5.31890011
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	9.1718998
arget ActivePull Per1 PullCmpCustLmgDi Cnt Igc.value	0
arget ActivePull Per1 PullCmpEna Cnt Igc.value	1
arget ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value	-4.61210012
arget ActivePull Per1 VehicleSpeedValid Cnt Igc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	279.01001
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-76.7530975
arget_Pim_PullCmpLTComp_HwNm_f32	4
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4251832320





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	q_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_t	32	
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_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNnerset(Ap_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePu$	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCm$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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	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	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

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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 PullCmpCustLrnqDi Cnt Iqc.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		
	0.71420002		
target_Pim_PullCmpLTComp_HwNm_f32			
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapse			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTire		-4 1	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngD	*	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_l		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs Hwh			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resu
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	
	I and the second		
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-43.0153351	-43.0153351 ± 0.00390625	



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	~

est Step 2.51 (Repeat Count = 1)	
ame	Input Value
ullCmp_DecGain_Uls_M_f32	4.35000002e-005
ullCmp_EnableLearn_Cnt_M_lgc	1
ullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-1.48660004
ullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.000125655817
ullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.78119993
ullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
ullCmp_IncGain_Uls_M_f32	2.44000003e-005
ullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	880
ullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2336
ullCmp_ResetPer1_Cnt_M_lgc	0
ullCmp_SComSTCompSet_Cnt_M_lgc	0
ullCmp_SComSTComp_HwNm_M_f32	1.79170001
ullCmp_STComp_HwNm_M_f32	-3.19350004
ullCmp_STOppSignTime_mS_M_u32	243
ullCmp_STStepSize_HwNm_M_f32	7898.9917
ullCmp_VehSpdRate_KphpS_M_f32	-3523.76953
ullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	55.6467018
ullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
te_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
_TotalLimit_HwNm_f32	0
rget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
rget_ActivePull_Per1_DisableOutput_Cnt_Igc.value	0
rget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0.892099977
rget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.491400003
rget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	278.358398
rget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.474700004
rget_ActivePull_Per1_HwTorque_HwNm_f32.value	0.50150001
rget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
rget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
rget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.48660004
rget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
rget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	335.890411
rget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	112.972702
. D. D NO 1 TO 11 N MO	-2.30320001
rget_Pim_PullCmpLTComp_HwNm_f32	
rget_Pim_PullCmpLTComp_HwNm_f32 rget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed rget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2198054912





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_MpSecSc	q_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_f	32	
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_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpul$	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(r) = 0.0000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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	-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	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				V
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

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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 Igc.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_CurrentTin			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_C	nt lac	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target Rte Inst Ap ActivePull.ActivePull Per1 HwTorque HwNm f32	target ActivePull Per1 HwTorque HwNm		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngD		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_lgc	target ActivePull Per1 PullCmpEna Cnt I		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN		•	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid		
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeed Kph f32	target_ActivePull_Per1_VehicleSpeed_Kph		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D		
target_Rte_Inst_Ap_ActivePull.ActivePull_Perl_VerlicleTawRate_DegpS_132 target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	OSPO_102	
		Evenated Value	D
Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	-
PullCmp EnableLearn Cnt M Igc	1	1	•
PullCmp_EnableTime_mS_M_u32	545678592	545678592 ± 1	
PullCmp HwTorqueSTSV HwNm M Str.SV UIs 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 ±	
. d.op_moduli_olo_m_loz	5.5500000000000000000000000000000000000	0.000000386-003 ± 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_SCompSet_Cnt_M_lgc	0	0	•
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	
		545678592 ± 1	•
	545678592		
PullCmp_STOppSignTime_mS_M_u32	545678592 1	1	-



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 Stan 2 52 (Beneat Count = 4)	
Test Step 2.53 (Repeat Count = 1)	Innex Value
	Input Value
PullCmp_DecGain_Uls_M_f32	1.56999995e-005
1= = = = = = =	1
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.23889995
	0.390457004
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.5999999
1	0.641212404
	2.16999997e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1984
	3200
PullCmp_ResetPer1_Cnt_M_lgc	1
1 = 1 = 2	0
	4
PullCmp_STComp_HwNm_M_f32	-0.0626000017
1= 11 0 = = =	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
	0.208346322
	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	
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_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_f	32	
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_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(a) = 0.0000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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

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Name	Input Value		
k_EnableTime_mS_u32	2000		
k_EnableVehSpdMax_Kph_f32	160		
k_EnableVehSpdMin_Kph_f32	60		
k_EnableVehSpdRateMax_KphpS_f32	1		
<pre>k_EnableYawRateMax_DegpS_f32</pre>	1		
k_FiltDeadband_HwNm_f32	0.25		
k_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001		
c_STIntInputLimit_HwNm_f32	3		
k_STLearnTimeDec_Sec_f32	45		
k_STLearnTimeInc_Sec_f32	45		
k_STLimit_HwNm_f32	1		
k_STOppSignTime_mS_u32	100		
x_STResetHwPos_HwDeg_f32	45		
C_STResetHwTrq_HwNm_f32	3		
c_STResetLatAcc_MpSecSq_f32	1		
x_STResetYawRate_DegpS_f32	1		
c_TotalLimit_HwNm_f32	0		
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1		
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1		
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-9.32719994		
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1		
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	778.636475		
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-6.94250011		
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.13390005		
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1		
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1		
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-10		
rget_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc.value	0		
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.266205		
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-89.3407974		
arget_Pim_PullCmpLTComp_HwNm_f32	0.614799976		
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed			
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTin		ent lan	
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_DisableOutput_Cnt target_ActivePull_Per1_EstLatAcc_MpSec		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit		
arget Rte Inst Ap ActivePull.ActivePull Per1 HandwheelPosition HwDeg f32	target_ActivePull_Per1_HandwheelPosition		
arget Rte Inst Ap ActivePull.ActivePull Per1 HandwheelVelocity HwRadpS f32			
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target ActivePull Per1 HwTorque HwNm		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngD		
arget Rte Inst Ap ActivePull.ActivePull Per1 PullCmpEna Cnt Igc	target ActivePull Per1 PullCmpEna Cnt I		
arget_Rte_Inst_Ap_ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN		•	
arget Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOtis HwNm f			
arget Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeedValid Cnt Igc	target ActivePull Per1 VehicleSpeedValid		
arget Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeed Kph f32	target ActivePull Per1 VehicleSpeed Kph		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target ActivePull Per1 VehicleYawRate D	_	
arget Rte Inst Ap ActivePull.Pim PullCmpLTComp HwNm f32	target_Pim_PullCmpLTComp_HwNm_f32	- 0,- 2	
lame	Actual Value	Expected Value	Resu
ullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000001490116119384765625	Rest
PullCmp_EnableLearn_Cnt_M_lgc	1	1	
PullCmp_EnableTime_mS_M_u32	3109029632	3109029632 ± 1	
ullCmp_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	
ullCmp_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	
arget_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	✓

est Step 2.55 (Repeat Count = 1)	
lame	Input Value
	2.20000002e-005
ullCmp_EnableLearn_Cnt_M_lgc	1
ullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	10
ullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
ullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.84040022
ullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.294300854
	3.88000008e-005
	0
ullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	3088
ullCmp_ResetPer1_Cnt_M_lgc	1
ullCmp_SComSTCompSet_Cnt_M_lgc	1
ullCmp_SComSTComp_HwNm_M_f32	-3.28550005
ullCmp_STComp_HwNm_M_f32	1.72389996
ullCmp_STOppSignTime_mS_M_u32	837
ullCmp_STStepSize_HwNm_M_f32	4147.11133
ullCmp_VehSpdRate_KphpS_M_f32	2859.92041
ullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-32.854599
ullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.184165657
te_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1.
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
PullCmp_STIntgtrStCorrnGain_Uls_f32	0.10000001
STIntInputLimit_HwNm_f32	3
STLearnTimeDec Sec f32	45
STLearnTimeInc_Sec_f32	45
STLimit_HwNm_f32	1
STOppSignTime_mS_u32	100
STResetHwPos_HwDeg_f32	45
	3
STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
TotalLimit HwNm f32	0
	0
	0
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.06739998
arget ActivePull Per1 HandwheelAuthority Uls f32.value	0.540700018
arget ActivePull Per1 HandwheelPosition HwDeg f32.value	219.109406
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-31.9487991
arget ActivePull Per1 HwTorque HwNm f32.value	7.20590019
	0
riget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	395.004303
aget_netiver uii_r et i_vetileleopeeu_typii_loz.value	-83.7450027
rget ActivePull Per1 VehicleYawRate Deans 522 value	
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value arget_Pim_PullCmpLTComp_HwNm_f32	2.69260001





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	arget_ActivePull_Per1_DisableOutput_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSe	q_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_f	32	
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_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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	~

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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

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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_Elapse	d 2809360384		
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTire	n 4251046400		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C	nt_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_MpSecS	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	y_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_Igc	target_ActivePull_Per1_PullCmpCustLrngD	i_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_I	gc	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs Hwh	target_ActivePull_Per1_PullCmpShoTermIr	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_	target_ActivePull_Per1_PullCmpShoTermIr	ntgtrSt_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		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
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	٠,
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	٠,
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	· · · · · ·

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Test Step Call Trace

ActivePull_Per1

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Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_I	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_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_f3	32	
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_lgd	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermInto	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f; \\$	target_ActivePull_Per1_PullCmpShoTermInto	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_t	f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_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_Cr	nt_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_MpSecS	q_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_t	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_lg	дс	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi			
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(transfer)$			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_	,	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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	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 ± 0.00000001490116119384765625	•
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	~
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	•
PullCmp ResetPer1 Cnt M Igc	0	0	
		0	✓
PullCmp SComSTCompSet Cnt M lgc	0		
PullCmp_StComp_HwNm_M_f32	0 0.635200024	0.635200024 ± 0.00048828125	✓
PullCmp_STComp_HwNm_M_f32			✓
PullCmp_STComp_HwNm_M_f32 PullCmp_STOppSignTime_mS_M_u32	0.635200024	0.635200024 ± 0.00048828125	· ·
PullCmp_STComp_HwNm_M_f32	0.635200024 69	0.635200024 ± 0.00048828125 69 ± 1	~



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 Igc	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_DtfffinElapsedTime_mS_u32(ElapsedTime) Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtmmEiapsedTime_mS_u32_EiapsedTime target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
C_EnableHwAuthMin_Uls_f32	
x_EnableHwPosMax_HwDeg_f32	45
C_EnableHwTrqMax_HwNm_f32	2.79999995
x_EnableHwVelMax_DegpS_f32	10
C_EnableLatAccMax_MpSecSq_f32	0.5
x_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
z_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
z_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
:_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
s_STLearnTimeDec_Sec_f32	45
s_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
s_STOppSignTime_mS_u32	100
STResetHwPos HwDeg f32	45
STResetHwTrq_HwNm_f32	3
STResetLatAcc_MpSecSq_f32	1
STResetYawRate_DegpS_f32	1
TotalLimit HwNm f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget ActivePull Per1 DisableOutput Cnt Igc.value	0
arget_ActiveFull_Fer1_bisableOttput_Cht_igc.value	2.92309999
arget ActivePull_Per1_EstLatAcc_MpSecSq_i3z.value	1
·	
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	1300.64355
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-2.04889989
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	7.50180006
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-2.40249991
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	487.360199
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	80.2320023
arget_Pim_PullCmpLTComp_HwNm_f32	0.64230001
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	
arget_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_	<u>Igc</u>	
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_	_HwDegf32	
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_t	732	
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_lg	c	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInt	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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				V
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	~

T (0) 000/D (0) (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_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000

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ActivePull_Per1	MACILAG
Name Input Value	
k_EnableVehSpdMax_Kph_132 160	
k_EnableVehSpdMin_Kph_f32 60	
k_EnableVehSpdRateMax_KphpS_f32	
k_EnableYawRateMax_DegpS_f32	
k_FiltDeadband_HwNm_f32 0.25	
k_PullCmp_STIntgtrStCorrnGain_Uls_f32 0.100000001	
k_STIntInputLimit_HwNm_f32	
k_STLearnTimeDec_Sec_f32 45	
k_STLearnTimeInc_Sec_f32 45	
k_STLimit_HwNm_f32	
k_STOppSignTime_mS_u32	
k_STResetHwPos_HwDeg_f32 45	
k_STResetHwTrq_HwNm_f32 3	
k_STResetLatAcc_MpSecSq_f32	
k_STResetYawRate_DegpS_f32	
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_Igc.value 0	
target ActivePull Per1 PullCmpEna Cnt Igc.value	
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_Igc target_ActivePull_Per1_DisableLearning_Cnt_Igc	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableOutput_Cnt_Igc	
target_Rte_Inst_Ap_ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_ActivePull_Per1_EstLatAcc_MpSecSq_f32	
target_Rte_Inst_Ap_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 Rte Inst Ap ActivePull.ActivePull Per1 PullCmpEna Cnt Igc target ActivePull Per1 PullCmpEna Cnt Igc	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNn_f32	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm ft target ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	
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	
	Bassill
Name Actual Value Expected Value PullCmp_DecGain_Uls_M_f32 6.00000058e-005 6.00000058e-005	Result
0.00000014901161	19304/03023
PullCmp_EnableLearn_Cnt_M_lgc 0 0 PullCmp_EnableLearn_Cnt_M_lgc 0 2946479144	¥
PullCmp_EnableTime_mS_M_u32 3845478144 ± 1	-
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_f32 3.38099909 3.38099885 ± 0.0004	0000405
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	
0.0000050 005	
0.000000014901161	48828125 19384765625
0.00000014901161 PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4 720 720 ± 0.0625	48828125 19384765625
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4 720 720 ± 0.0625 PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4 720 720 ± 0.0625	48828125 19384765625
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	48828125 19384765625
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	48828125 19384765625
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	48828125 19384765625 48828125
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 ± 0.000	48828125 19384765625 48828125
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 ± 0.000	48828125 19384765625 448828125
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 ± 0.000 PullCmp_STOppSignTime_mS_M_u32 3845478144 3845478144 ± 1	48828125 19384765625 48828125



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	~	

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Test Step 2.61 (Repeat Count = 1)	•
Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.35e-005
1 = = = = = = = = = = = = = = = = = = =	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
	0
	0
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.4562998
	0.00150000001
	0
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
	1
target ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value	-5.61320019
· · · · · · ·	1
0 =	86.8964996
	0
	1.82430005
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	





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_MpSecSc	_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_	_Ulsf32	
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_f3	32	
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_lgd		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpul$	target_ActivePull_Per1_PullCmpShoTermInto	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(a) = 0.0000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInto	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_t	732	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_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	-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 ± 0.00000001490116119384765625	~
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	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

ActivePull Per1

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Input Value k_EnableLatAccMax_MpSecSq_f32 0.5 2000 k EnableTime mS u32 k_EnableVehSpdMax_Kph_f32 160 k_EnableVehSpdMin_Kph_f32 60 k EnableVehSpdRateMax_KphpS_f32 1 k_EnableYawRateMax_DegpS_f32 k_FiltDeadband_HwNm_f32 0.25 0.100000001 $k_PullCmp_STIntgtrStCorrnGain_Uls_f32$ k_STIntInputLimit_HwNm_f32 3 k STLearnTimeDec Sec f32 45 k_STLearnTimeInc_Sec_f32 45 k STLimit HwNm f32 k_STOppSignTime_mS_u32 100 k STResetHwPos HwDea 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 target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value 0 target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value 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 target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value 6.94070005 target ActivePull Per1 VehicleSpeedValid Cnt Igc.value target_ActivePull_Per1_VehicleSpeed_Kph_f32.value 86 8964996 target ActivePull Per1 VehicleYawRate DegpS f32.value n 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 Igc $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_EstLatAcc_MpSecSq_f32$ target_ActivePull_Per1_EstLatAcc_MpSecSq_f32 target _ActivePull_Per1_HandwheelAuthority_Uls_f32 $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Uls_f32$ 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 Igc target ActivePull Per1 PullCmpCustLrngDi Cnt lgc $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_lgc$ target_ActivePull_Per1_PullCmpEna_Cnt_lgc $target_Rte_inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN| target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32$ $target_Rte_Inst_Ap_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fs! \ target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fs2 \ target_ActivePull_PullCmpShoTermIntgtrSt_HwNm_fs2 \ target_ActivePull_ActivePullCmpShoTermIntgtrSt_HwNm_fs2 \ target_ActivePullCmpShoTermIntgtrSt_HwNm_fs2 \ target_ActivePullCmpShoTermIntgtrSt$ target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_ActivePull_Per1_VehicleSpeed_Kph_f32 $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32$ 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 **Actual Value** Name Expected Value Result 6.00000058e-005 ± 0.00000001490116119384765625 PullCmp DecGain Uls M f32 6.00000058e-005 PullCmp_EnableLearn_Cnt_M_lgc PullCmp_EnableTime_mS_M_u32 3297422848 3297422848 ± 1 PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32 1.97538948 $1.9753896 \pm 0.00048828125$ PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 0 ± 0.00048828125 6.00000058e-005 6.00000058e-005 ± 0.00000001490116119384765625 PullCmp_IncGain_Uls_M_f32 **~** PullCmp PrevSTLearnTimeDec Sec M u12p4 720 720 ± 0.0625 **V** PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4 720 720 ± 0.0625 PullCmp ResetPer1 Cnt M lgc 0 0 ${\sf PullCmp_SComSTCompSet_Cnt_M_lgc}$ 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 ± 0.00390625 0

-1.6940701

target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value

-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 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_DtfffinElapsedTime_mS_u32(ElapsedTime) Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_Dtrimic_lapsedTime_mS_u32_EtapsedTime target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
EnableHwAuthMin_Uls_f32	
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
STLimit_HwNm_f32	1
STOppSignTime_mS_u32	100
STResetHwPos HwDeg f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
TotalLimit HwNm f32	0
	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.4562998
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.00150000001
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	0
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	1.22899997
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	86.8964996
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
arget_Pim_PullCmpLTComp_HwNm_f32	1.74160004
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2809360384
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	
arget_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_l	lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	q_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_f	32	
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_lge	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNloadingsets and the properties of the prop$	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f; \\$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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	~	

ActivePull_Per1

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Test Case 3: PRM Range Test

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ActivePull_Per1



Specification

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

and WithPS Environment CPU Cycles:
TS3.1 117.00 Cycles
TS3.2 3354.00 Cycles
TS3.3 3041.00 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
TS3.7 3516.00 Cycles
TS3.10 3493.00 Cycles
TS3.11 2999.00 Cycles
TS3.11 2999.00 Cycles
TS3.12 339.00 Cycles
TS3.13 3167.00 Cycles
TS3.14 3093.00 Cycles
TS3.15 3093.00 Cycles
TS3.16 3345.00 Cycles
TS3.16 3345.00 Cycles
TS3.17 328.00 Cycles
TS3.18 3242.00 Cycles
TS3.19 3626.00 Cycles
TS3.19 3626.00 Cycles
TS3.21 3350.00 Cycles
TS3.23 3230.00 Cycles
TS3.23 3230.00 Cycles
TS3.24 3226.00 Cycles
TS3.25 373.00 Cycles
TS3.26 3525.00 Cycles
TS3.27 3023.00 Cycles
TS3.28 3739.00 Cycles
TS3.29 2921.00 Cycles
TS3.29 377.00 Cycles
TS3.31 3356.00 Cycles
TS3.32 373.00 Cycles
TS3.33 373.00 Cycles
TS3.33 387.00 Cycles
TS3.33 387.00 Cycles
TS3.34 2917.00 Cycles
TS3.35 3511.00 Cycles
TS3.33 3511.00 Cycles
TS3.33 373 3415.00 Cycles
TS3.33 37415.00 Cycles
TS3.33 37415.00 Cycles
TS3.33 3757.00 Cycles
TS3.33 3757.00 Cycles TS3.3, 37 3415.00 Cycles
TS3.39 3579.00 Cycles
TS3.40 135.00 Cycles
TS3.41 3158.00 Cycles
TS3.42 3120.00 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
TS3.49 3390.00 Cycles
TS3.50 3539.00 Cycles
TS3.51 3551.00 Cycles
TS3.52 3131.00 Cycles
TS3.52 3131.00 Cycles
TS3.55 2917.00 Cycles
TS3.55 2917.00 Cycles
TS3.55 2917.00 Cycles
TS3.56 3917.00 Cycles
TS3.57 2917.00 Cycles
TS3.58 2917.00 Cycles
TS3.59 3219.00 Cycles
TS3.59 3219.00 Cycles
TS3.60 3192.00 Cycles
TS3.63 3527.00 Cycles
TS3.63 3527.00 Cycles
TS3.63 3527.00 Cycles
TS3.65 2932.00 Cycles
TS3.66 3932.00 Cycles
TS3.67 3177.00 Cycles
TS3.68 3560.00 Cycles
TS3.68 3560.00 Cycles
TS3.69 3292.00 Cycles
TS3.69 3292.00 Cycles
TS3.69 3341.00 Cycles
TS3.69 3341.00 Cycles
TS3.70 3376.00 Cycles
TS3.71 3362.00 Cycles
TS3.72 3168.00 Cycles
TS3.73 3651.00 Cycles
TS3.73 3651.00 Cycles
TS3.74 3144.00 Cycles
TS3.75 377 3144.00 Cycles
TS3.77 3144.00 Cycles
TS3.78 3343.00 Cycles
TS3.79 3144.00 Cycles TS3.80 3509,00 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 TS3.15k_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 TS3.21k_EntableHWPosMax_HwDeg_[32==>Mlax TS3.22k_EnableHwPosMax_HwDeg_f32==>Pos TS3.23k_EnableHwPosMax_HwDeg_f32==>Pos TS3.24k_EnableHwPosMax_HwDeg_f32==>Default TS3.25k_EnableYawRateMax_DegpS_f32==>Min TS3.26k_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_UIs_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		
PullCrup_PrevSTLearnTimeInc_Sec_M_u12p4	112		
PullCmp_ResetPer1_Cnt_M_lgc 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_UIs_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		
	1		
	45		
k_EnableHwTrqMax_HwNm_f32	2.79999995		
k_EnableHwVelMax_DegpS_f32	10		
	0.5 2000		
k_EnableTime_mS_u32 k_EnableVehSpdMax_Kph_f32	160		
k EnableVehSpdMin Kph f32	60		
	1		
k_EnableYawRateMax_DegpS_f32	1		
	0.25		
k_PullCmp_STIntgtrStCormGain_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		
	0		
	1		
	1		
	0		
·	0		
\$ <u> </u>	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			
		In .	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_lo		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull.ActivePull Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelAuthority_ target_ActivePull_Per1_HandwheelPosition_F		
·	target_ActivePull_Per1_HandwheelPosition_F	-	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f3		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi_t		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc		
	target_ActivePull_Per1_PullCmpShoTermIntg		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f:			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_C		
	target_ActivePull_Per1_VehicleSpeedValid_Ctarget_ActivePull_Per1_VehicleSpeed_Kph_f3	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f3		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleSpeed_Kph_ftarget_ActivePull_Per1_VehicleYawRate_Dec		Result
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f: target_ActivePull_Per1_VehicleYawRate_Deg target_Pim_PullCmpLTComp_HwNm_f32	gpS_f32	Resul





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 ± 0.00000001490116119384765625	•
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	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
target_netiver uii_r et i_bisablet_earriiig_crit_igc.value	

ActivePull_Per1



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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_ElapsedTime_mS_u33_Ela$	d 1493114368		
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u32_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTime_mS_u33_CurrentTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUpstemTireLinesUps$	n 3059527680		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cr	nt_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_MpSecS	q_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_lg	gc	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_frame and the property of the prop$	target_ActivePull_Per1_PullCmpShoTermIn	tgtrSt_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_De	egpS_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				V
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		
	132		
PullCmp_STOppSignTime_mS_M_u32			
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		
	2000		
k_EnableTime_mS_u32			
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		
	100		
k_STOppSignTime_mS_u32			
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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim			
		h Ima	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cn	_ -	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_I	~	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	-	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_		
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_l	HwRadpS_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f3	32	
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_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lge		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNi			
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_(
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_t		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_t32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
		Expected Value	Result
Name	Actual Value	Expected value	
Name PullCmp_DecGain_Uls_M_f32	Actual Value 6.00000058e-005	6.00000058e-005 ±	هم!
		•	
		6.00000058e-005 ±	•
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	•
PullCmp_DecGain_Uls_M_f32 PullCmp_EnableLearn_Cnt_M_lgc	6.00000058e-005 1	6.00000058e-005 ± 0.00000001490116119384765625 1	
PullCmp_DecGain_Uls_M_f32 PullCmp_EnableLearn_Cnt_M_lgc PullCmp_EnableTime_mS_M_u32 PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.0000058e-005 1 793293568 -4.36443758	6.0000058e-005 ± 0.0000001490116119384765625 1 793293568 ± 1 -4.3644371 ± 0.00048828125	•
PullCmp_DecGain_Uls_M_f32 PullCmp_EnableLearn_Cnt_M_lgc PullCmp_EnableTime_mS_M_u32 PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32 PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.00000058e-005 1 793293568 -4.36443758 -0.180363655	6.0000058e-005 ± 0.0000001490116119384765625 1 793293568 ± 1 -4.3644371 ± 0.00048828125 -0.180363715 ± 0.00048828125	
PullCmp_DecGain_Uls_M_f32 PullCmp_EnableLearn_Cnt_M_lgc PullCmp_EnableTime_mS_M_u32 PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.0000058e-005 1 793293568 -4.36443758	6.0000058e-005 ± 0.0000001490116119384765625 1 793293568 ± 1 -4.3644371 ± 0.00048828125	•
PullCmp_DecGain_Uls_M_f32 PullCmp_EnableLearn_Cnt_M_lgc PullCmp_EnableTime_mS_M_u32 PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32 PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.00000058e-005 1 793293568 -4.36443758 -0.180363655	6.00000058e-005 ± 0.0000001490116119384765625 1	•





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				V
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)	
	Input Value
	•
PullCmp_DecGain_Uls_M_f32	4.95999993e-005
PullCmp_EnableLeam_Cnt_M_lgc	1
·- ·	3.0150001
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.02277763
	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
	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
1_ 11 0	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
_ 0,	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
	1
k_EnableHwPosMax_HwDeg_f32	45
k_EnableHwTrqMax_HwNm_f32	2.7999995
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
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value target_ActivePull_Per1_HwTorque_HwNm_f32.value target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	5.01350021 0.228699997 -1000.4364 -30.6818008 -8.76589966





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	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_Cn	ıt_lgc			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	<u>lgc</u>			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSet	q_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_f	732			
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_lg	c			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInt	tgtrStOffs_HwNm_f32			
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_from the property of the property $	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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	

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Name	Input Value		
$Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)$	target_Rte_Call_Ap_ActivePull_SystemTin	ne_DtrmnElapsedTime_mS_u32_ElapsedTi	me
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTin	ne_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 k_EnableHwVelMax_DegpS_f32	2.79999995		
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 k_TotalLimit_HwNm_f32	0		
k_	1		
target ActivePull Per1 DisableOutput Cnt Igc.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_Elapse			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTile target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc		Ont Inc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Crit_lgc	target_ActivePull_Per1_DisableLearning_C target_ActivePull_Per1_DisableOutput_Cn		
target Rte Inst Ap ActivePull.ActivePull Per1 EstLatAcc MpSecSq f32	target ActivePull Per1 EstLatAcc MpSec		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthori	-	
target Rte Inst Ap ActivePull.ActivePull Per1 HandwheelPosition HwDeg f32	target ActivePull Per1 HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	V		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngI		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs Hwf	target_ActivePull_Per1_PullCmpShoTerml	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_	f: target_ActivePull_Per1_PullCmpShoTermI	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid	I_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kpl	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_I	DegpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	
PullCmp EnableLearn Cnt M Igc	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	6.0000058e-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 PullCmp_STReset_Cnt_M_lgc	1242	1242 ± 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	

0.442560017

target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value

0.442560017 ± 0.00048828125

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ActivePull_Per1

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_MpSecSo	q_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_f	32	
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_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_Hwn$	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(a) = 0.0000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
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_UIs_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

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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_Elaps	ed 4152032512		
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentT	im 3356583680		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_0	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthori	ty_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition	n_HwDeg_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheeIVelocity_HwRadpS_f3	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_PullCmpCustLrng[Di_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 Hw	N target_ActivePull_Per1_PullCmpShoTermI	ntgtrStOffs_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm	_f; target_ActivePull_Per1_PullCmpShoTermI	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid	I_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kpl	n_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	Resu
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	
	127.862343	127.862343 ± 0.00390625	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32			



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)	en e
	Immut Value
Name	Input Value 2.37000004e-005
PullCmp_DecGain_Uls_M_f32	2.37000004e-005
PullCmp_EnableLearn_Cnt_M_lgc	-0.254999995
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_f32	
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	0
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
PullCrap_IncGain_UIs_M_f32	3.42999992e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	2368
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2096
PullCmp_ResetPer1_Cnt_M_lgc	
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	2.7999995
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	
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_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_MpSecSc	q_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_f	32	
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_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(t) = target_Rte_Inst_Ap_ActivePullActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(t) = target_Rte_Inst_Ap_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActi$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_De	gpS_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			V	
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

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Nama	Innut Value		
Name k_EnableLatAccMax_MpSecSq_f32	Input Value 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			
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	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_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeed Kph f32	target_ActivePull_Per1_VehicleSpeedValid_		
	target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleYawRate_DegpS_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	egpo_132	
		Expected Value	Darrel
Name PullCmp_DecGain_Uls_M_f32	Actual Value 6.00000058e-005	Expected Value 6.00000058e-005 ±	Resul
PullCmp EnableLearn Cnt M Igc	1	0.00000001490116119384765625	
PullCmp EnableTime mS M u32	1228503040	1228503040 ± 1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_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	6.0000058e-005 ±	
PullCmp ProvSTI cornTimeDec Sec M (4254	720	0.00000001490116119384765625 720 ± 0.0625	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720		
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	
PullCmp_ResetPer1_Cnt_M_lgc	0	0	
	0	0	
PullCmp_SComSTCompSet_Cnt_M_lgc	0		'
PullCmp_STComp_HwNm_M_f32	1228503040	0 ± 0.00048828125	
PullCmp_STComp_HwNm_M_f32 PullCmp_STOppSignTime_mS_M_u32	1228503040	1228503040 ± 1	
PullCmp_STComp_HwNm_M_f32			

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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_Cn	t_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_MpSecSe	q_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_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi_	_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_from the properties of the$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_De	egpS_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	-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	0.274250001	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			V	
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

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ActivePuil_Per1			CILAB
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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elap$	644338432		
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_Curren$	317435136		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cr	nt_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_MpSecS	q_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_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	jc	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3$	target_ActivePull_Per1_PullCmpShoTermIn	tgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	110001
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_UIs_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	
	1	1	
PullCmp STReset Cnt M lac			1
PullCmp_STReset_Cnt_M_lgc PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_UIs_f32	69.3005905	69.3005905 ± 0.00390625	

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ActivePull_Per1

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_l	lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_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_f	32	
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_lge	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs_HwwintgtrStOffs$	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(a) = 0.0000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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_UIs_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	✓

T (0) 040/D (0 1 4)	
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

ActivePull Per1

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Input Value k EnableTime mS u32 2000 160 k EnableVehSpdMax Kph f32 k EnableVehSpdMin Kph f32 60 k_EnableVehSpdRateMax_KphpS_f32 1 k EnableYawRateMax DegpS f32 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 k_STOppSignTime_mS_u32 100 k_STResetHwPos_HwDeg_f32 45 3 k_STResetHwTrq_HwNm_f32 k_STResetLatAcc_MpSecSq_f32 0 k STResetYawRate DeapS f32 1 k_TotalLimit_HwNm_f32 0 target_ActivePull_Per1_DisableLearning_Cnt_lgc.value 0 target_ActivePull_Per1_DisableOutput_Cnt_lgc.value 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 $target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value$ 0 $target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value$ target ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value -4.61210012 target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value target ActivePull Per1 VehicleSpeed Kph f32.value 279.01001 target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value 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_Igc 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 $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePull_PullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, t$ $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc$ target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Pim_PullCmpLTComp_HwNm_f32 target_Rte_Inst_Ap_ActivePull.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 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 ± 0.00048828125 6.00000058e-005 ± 0.00000001490116119384765625 PullCmp_IncGain_Uls_M_f32 6.00000058e-005 PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4 720 720 ± 0.0625 720 720 ± 0.0625 PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4 PullCmp_ResetPer1_Cnt_M_lgc 0 0 PullCmp_SComSTCompSet_Cnt_M_lgc 0 0 PullCmp_STComp_HwNm_M_f32 0 ± 0.00048828125 0 $PullCmp_STOppSignTime_mS_M_u32$ 471260416 471260416 ± 1 PullCmp_STReset_Cnt_M_lgc 1 PullCmp VehicleYawRateSV DegpS M Str.SV Uls f32 0 0 ± 0.00390625

0

target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value

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	~

T4 04 0.44 (D4 04)	
Test Step 3.14 (Repeat Count = 1)	I
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
.T TT	0
k_TotalLimit_HwNm_f32 target ActivePull Per1 DisableLearning Cnt lgc.value	0
target_ActivePull_Per1_DisableCearning_Cnt_lgc.value	1
target_ActivePull_Per1_bisableOutput_Citt_tgc.value	10
target_ActivePull_Per1_EstLanAcc_inipSecSq_i32.value target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
target_ActivePull_Per1_HandwheelAutnority_Uis_132.value target ActivePull Per1 HandwheelPosition HwDeg f32.value	13.3451996
target_ActivePull_Per1_HandwheelPosition_HwDeg_132.value 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	
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime	3943574528





Name	Input Value		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_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_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi_	_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpul$	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3000000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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_UIs_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

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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 k STLearnTimeDec Sec f32	45		
k_STLearnTimeDec_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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim		A 1	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cr		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_EstLatAcc_MpSecS target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target ActivePull Per1 HandwheelVelocity		
target Rte Inst Ap ActivePull.ActivePull Per1 HwTorque HwNm f32	target_ActivePull_Per1_HwTorque_HwNm_t	· -	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpEna Cnt Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
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	-1.97541809	-1.97541809 ± 0.00048828125	•
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	•
PullCmp_IncGain_UIs_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	1.69408011	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
_EnableHwAuthMin_Uls_f32	1
	45
EnableHwTrqMax HwNm f32	2.79999995
EnableHwVelMax DegpS f32	10
EnableLatAccMax MpSecSq f32	0.5
 _EnableTime_mS_u32	2000
	160
	60
	1
	1
	0.25
	0.100000001
_STIntInputLimit_HwNm_f32	3
STLearnTimeDec Sec f32	45
_STLearnTimeInc_Sec_f32	45
STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
	1
_STResetYawRate_DegpS_f32	0
_TotalLimit_HwNm_f32	1
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	7.89849997
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	10.1912003
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	0
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-1.63090003
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	506.343903
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
arget_Pim_PullCmpLTComp_HwNm_f32	10
	3042951168





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_I	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_	_Ulsf32	
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_l	HwRadpS_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f3	32	
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_lgd		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermInto	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(t) = target_Rte_Inst_Ap_ActivePull_Rterior = target_Rte_Inst_Ap_ActivePull_Rterior = target_Rte_Inst_Ap_ActivePull_Rterior = target_Rte_Inst_Ap_ActivePull_Rterior = target_Rte_Inst_Ap_ActivePull_Rterior = target_Rterior = target_Rteri$	target_ActivePull_Per1_PullCmpShoTermInto	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_t	T32	
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_UIs_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

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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_Elapse			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTir			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngD		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_I	-	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_t			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid	*	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	1-000	
Name PullCmp_DecGain_Uls_M_f32	Actual Value 6.00000058e-005	Expected Value 6.00000058e-005 ±	Resul
		0.00000001490116119384765625	
PullCmp_EnableLearn_Cnt_M_lgc	1	1	•
PullCmp_EnableTime_mS_M_u32	471260416	471260416 ± 1	•
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_f32	-1.84100568	-1.84100568 ± 0.00048828125	•
PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_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	1139	1139 ± 1	
PullCmp_STReset_Cnt_M_lgc	0	0	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	



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)	
lame	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 Igc	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
1- 1 - 1 - 1	-4/61.20100 0
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	i e
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
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	10
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
FiltDeadband_HwNm_f32	0.25
PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
STIntInputLimit_HwNm_f32	3
STLearnTimeDec Sec f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.51910001
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-39.5008011
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	0
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value	10
arget ActivePull Per1 VehicleSpeedValid Cnt Igc.value	0
arget ActivePull Per1 VehicleSpeed Kph f32.value	392.270691
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
arget_Pim_PullCmpLTComp_HwNm_f32	0
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	i a constant a constan
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3943574528





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_MpSecSc	q_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_f	32	
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_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpression (Continuous Continuous Contin$	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(a) = 0.0000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
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_UIs_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_Elapse			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTi	m 1109671680		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C	nt_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_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	y_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f3		- · -	
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_PullCmpCustLrngD	i_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs Hw			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid	•	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	DegpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.0000058e-005	6.00000058e-005 ±	
DullOnn Frahlal arm Oak M las	4	0.00000001490116119384765625	
PullCmp_EnableLearn_Cnt_M_igc	1	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 ± 0.00000001490116119384765625	•
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	-1.14406002	-1.14406002 ± 0.00048828125	
r anomp_orounip_riwivin_wi_loz	687	687 ± 1	
PullCmp_STOppSignTime_mS_M_u32		55. ± 1	
PullCmp_STOppSignTime_mS_M_u32 PullCmp_STReset_Cnt_M_loc		0	
PullCmp_STOppSignTime_mS_M_u32 PullCmp_STReset_Cnt_M_lgc PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_UIs_f32	0	0 0 ± 0.00390625	



Test Step Call Trace			V	
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_UIs_f32	7.23190022
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_UIs_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
C_EnableHwAuthMin_Uls_f32	1
	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
C_EnableLatAccMax_MpSecSq_f32	0.5
EnableTime mS u32	2000
EnableVehSpdMax Kph f32	160
c_EnableVehSpdMin_Kph_f32	60
c_EnableVehSpdRateMax_KphpS_f32	1
c_EnableYawRateMax_DegpS_f32	1
FiltDeadband HwNm f32	0.25
c_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
C_STIntInputLimit_HwNm_f32	3
STLearnTimeDec Sec f32	45
STLearnTimeInc Sec f32	45
s_STLimit_HwNm_f32	1
CSTOppSignTime_mS_u32	100
CSTResetHwPos_HwDeg_f32	45
C_STResetHwTrq_HwNm_f32	3
STResetLatAcc MpSecSq f32	1
_STResetYawRate_DegpS_f32	1
	0
:_TotalLimit_HwNm_f32	
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.693899989
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-15.3066998
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	0
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	7.23190022
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	105.237099
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
arget_Pim_PullCmpLTComp_HwNm_f32	0.0615999997
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1147962368
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3773695488
arget_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_I	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_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_f3	32	
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_lgd	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNloadingstrate and the properties of the pr$	target_ActivePull_Per1_PullCmpShoTermInto	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f; \\$	target_ActivePull_Per1_PullCmpShoTermInto	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_t	f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_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	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 ± 0.00000001490116119384765625	•
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	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

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ActivePull_Per1		()	SILAG
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_Elapse			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTin			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Ci	nt lac	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target Rte Inst Ap ActivePull.ActivePull Per1 HandwheelPosition HwDeg f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target Rte Inst Ap ActivePull.ActivePull Per1 HwTorque HwNm f32	target_ActivePull_Per1_HwTorque_HwNm_	- · -	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target ActivePull Per1 PullCmpCustLrngD		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target ActivePull Per1 PullCmpEna Cnt le		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs Hwl			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_			
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeedValid Cnt Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeed Valid_Crit_igc	target ActivePull Per1 VehicleSpeed Kph		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_ActivePull_Per1_VehicleYawRate_D	egpo_132	
	target_Pim_PullCmpLTComp_HwNm_f32	E	
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	
PullCmp EnableLearn Cnt M lgc	1		
PullCmp_EnableTime mS M u32		1215082752 ± 1	
.= = = =	1215082752	1215082752 ± 1 0.0883712694 ± 0.00048828125	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32 PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.088371262	0.0883712694 ± 0.00048828125 0 ± 0.00048828125	
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000001490116119384765625	
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	
	0	0 ± 0.00048828125	
PullCmp_STComp_HwNm_M_f32	1215082752	1215082752 ± 1	
PullCmp_STOppSignTime_mS_M_u32	0	1215082752 ± 1	
PullCmp_STReset_Cnt_M_lgc	1	-	
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_UIs_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)	
	Immut Value
Name	Input Value
PullCmp_DecGain_Uls_M_f32	1.56000006e-005 0
PullCmp_EnableLearn_Cnt_M_lgc	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_f32	4.15460014
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_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	
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	





Name	Input Value			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	gc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_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_f	32		
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_lg	0		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(t) = target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(t) = target_Rte_Inst_Ap_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullAct$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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

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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 3		
k_STIntInputLimit_HwNm_f32	45		
k_STLearnTimeDec_Sec_f32	45		
k_STLearnTimeInc_Sec_f32 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		
	0		
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value 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 0		
target_ActivePull_Per1_HwTorque_HwNm_f32.value target ActivePull Per1 PullCmpCustLrngDi Cnt lgc.value	1		
	1		
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value 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			
target_Pim_PullCmpLTComp_HwNm_f32	-1.51979995		
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed			
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc		ent las	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc target_ActivePull_Per1_DisableOutput_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_ActivePull_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target Rte Inst Ap ActivePull.ActivePull Per1 HwTorque HwNm f32	target_ActivePull_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target ActivePull Per1 PullCmpCustLrngD		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_l		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid		
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeed Kph f32	target ActivePull Per1 VehicleSpeed Kph		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	_	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	7cgp0_102	
		Even extend Value	Resul
Name	Actual Value 6.00000058e-005	Expected Value 6.00000058e-005 ±	Resui
PullCmp_DecGain_Uls_M_f32	6.00000038E-003	0.000000386-005 ± 0.00000001490116119384765625	•
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_UIs_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 Igc	0	0	٠,
PullCmp SComSTCompSet Cnt M lgc	0	0	
PullCmp_STComp_HwNm_M_f32	-0.00702999998	-0.00702999998 ± 0.00048828125	•
			•
	793293568	793293568 ± 1	
PullCmp_STOppSignTime_mS_M_u32	793293568 0	793293568 ± 1	



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	✓

Input Value 1.48999998e-005 0 -6.08370018 0.144954711
0 -6.08370018
-6.08370018
0.144954711
0
0.00125584798
4.46999984e-005
96
2464
1
0
-3.49530005
-1.34200001
841
9739.24121
-2882.31543
0
0.00125584798
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
target_Rte_Inst_Ap_ActivePull
1
45
2.79999995
10
0.5
2000
160
60
1
1
0.25
0.100000001
3
45
45
1
100
45
3
1
1
0
0
1
0
0.557200015
13.3451996
-14.6541996
0
0
1
-6.08370018
-6.08370018 0
396.085388
396.085388
0.223800004 ed 3770058752





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	q_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_f	32	
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_lge	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpression (Application of the Company of the$	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f; \\$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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	-5.20183897	-5.20183897 ± 0.00048828125	~
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	~
PullCmp_IncGain_UIs_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	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			V	
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

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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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elaps$	94055168		
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTiresupplies and the property of the pr$	n 3990144256		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_C	nt_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_MpSecS	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	y_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_PullCmpCustLrngD	i_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_l		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_tracking tracking the properties of the prop$			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
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	-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 ± 0.00000001490116119384765625	
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	-0.273889959	-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	



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	~

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Test Step 3.26 (Repeat Count = 1)	
Name	Input Value
PullCmp_DecGain_Uls_M_f32	4.0599999e-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 k_STLearnTimeDec_Sec_f32	45
	45
k_STLearnTimeInc_Sec_f32 k_STLimit_HwNm_f32	1
k_STOppSignTime_mS_u32	100
k_STResetHwPos_HwDeg_f32	45
k_STResetHwTrq_HwNm_f32	3
	1
k_STResetLatAcc_MpSecSq_f32 k_STResetYawRate_DegpS_f32	1
k TotalLimit HwNm f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
target ActivePull Per1 DisableCutput Cnt Igc.value	0
target_ActivePull_Per1_DisableOutput_Crit_gc.value 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 PullCmpCustLrnqDi Cnt Iqc.value	0
target ActivePull Per1 PullCmpEna Cnt Igc.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_VehicleSpeed_Rpi1_32.value 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	
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
5go	





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_0	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpS	ecSq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuth	ority_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f3.	2 target_ActivePull_Per1_HandwheelPosit	tion_HwDeg_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_Inst_Ap_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePull_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePu$	f32 target_ActivePull_Per1_HandwheelVelo	city_HwRadpS_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwN	lm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrr	gDi_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cr	nt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_F	HwNi target_ActivePull_Per1_PullCmpShoTer	mIntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwN$	m_f: target_ActivePull_Per1_PullCmpShoTer	mIntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedVa	alid_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_h	(ph_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate	e_DegpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f3	2	
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	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 ± 0.00000001490116119384765625	~
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	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	-

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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 3			
k_STResetHwTrq_HwNm_f32 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_Elapse				
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTir target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc		t lao		
target Rte Inst Ap ActivePull.ActivePull Per1 DisableCeaning_Crit_igc	target_ActivePull_Per1_DisableLearning_Cn target ActivePull Per1 DisableOutput Cnt			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_Activer til_r en _Disableoutput_crit_ge 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_			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32				
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f			
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_lg	С		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm to	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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	6.0000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	-	
PullCmp EnableLearn Cnt M Igc	1	1	~	
PullCmp_EnableTime_mS_M_u32	3356583680	3356583680 ± 1		
PullCmp HwTorqueSTSV HwNm M Str.SV Uls f32	-0.0968810916	-0.096881099 ± 0.00048828125	V	
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	Y	
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	V	
PullCmp_STComp_HwNm_M_f32	0	0 ± 0.00048828125	V	
PullCmp_STOppSignTime_mS_M_u32	438	438 ± 1	*	
PullCmp_STReset_Cnt_M_lgc PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 0 ± 0.00390625	-	
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00390625 0 ± 0.00048828125		
angue, touver un_1 et 1_1 unomponoreminiquot_1 wivin_102.value	•	0 1 0.00040020120		

Test Step Call Trace				V
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
	0.166753277
	0
	0.00125584798
	3.38999998e-005 480
	512
	1
1 = = = = = = = = = = = = = = = = = = =	1
1	4
	3.76430011
PullCmp_STOppSignTime_mS_M_u32	44
PullCmp_STStepSize_HwNm_M_f32	9169.40527
PullCmp_VehSpdRate_KphpS_M_f32	-2065.16992
	0
	0.00125584798
	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
	target_Rte_Inst_Ap_ActivePull
	45
	2.79999995
_	10
	0.5
	2000
	160
_EnableVehSpdMin_Kph_f32	60
C_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
c_FiltDeadband_HwNm_f32	0.25
	0.100000001
	3
	45
	45
	1 100
_ 11 0	45
	3
	1
	1
: -	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.87529999
	13.3451996
	-19.2054005
	0
312 11 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0
	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-5.55000019 1
3-2	1 121 996703
	121.886703
	3.96090007
	2779340544
	1443043584
	target_ActivePull_Per1_DisableLearning_Cnt_lgc
	target_ActivePull_Per1_DisableOutput_Cnt_lgc
	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
	target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	
	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_HwTorque_HwNm_f32





Name	Input Value			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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				V
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	✓

Name	Input Value
PullCmp DecGain Uls M f32	2.20000002e-005
PullCmp EnableLearn Cnt M Igc	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
<_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
<_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32	160
k_EnableVehSpdMin_Kph_f32	60
<_EnableVehSpdRateMax_KphpS_f32	1
<_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_Cn	t_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	gc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_{1_} 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_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_lge	C		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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	6.0000058e-005	6.0000058e-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 ±		
		0.0000001490116119384765625		
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				V
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	~
Pte Call An ActivePull SystemTime DtrmnFlansedTime mS u32	1	Pte Call An ActivePull SystemTime DtrmnFlansedTime 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





7. Carver an <u>-</u> 1 or r	
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
	1200
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	
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
c_EnableHwAuthMin_Uls_f32	1
C_EnableHwPosMax_HwDeg_f32	45
c_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	10
c_EnableTime_mS_u32	2000
 C_EnableVehSpdMax_Kph_f32	160
c EnableVehSpdMin Kph f32	60
<pre>c_EnableVehSpdRateMax_KphpS_f32</pre>	1
	1
k_EnableYawRateMax_DegpS_f32	
c_FiltDeadband_HwNm_f32	0.25
C_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
CSTIntInputLimit_HwNm_f32	3
<_STLearnTimeDec_Sec_f32	45
<pre><_STLearnTimeInc_Sec_f32</pre>	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
	1
k_STResetYawRate_DegpS_f32	
k_TotalLimit_HwNm_f32	0
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.678799987
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	42
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	0
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
arget ActivePull Per1 PullCmpEna Cnt Igc.value	1
	9.93830013
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	95.7721024
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
arget_Pim_PullCmpLTComp_HwNm_f32	-2.99880004
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3637661696
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	1196667392
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
	target ActivePull Per1 EstLatAcc MpSecSg 132
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_ActivePull_Per1_HandwheelAuthority_Llls_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_ActivePull_Per1_HwTorque_HwNm_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_ActivePull_Per1_HwTorque_HwNm_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_ActivePull_Per1_HwTorque_HwNm_f32 target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc target_ActivePull_Per1_PullCmpEna_Cnt_lgc
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_ActivePull_Per1_HwTorque_HwNm_f32 target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc target_ActivePull_Per1_PullCmpEna_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_HandwheelAuthority_UIs_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_ActivePull_Per1_HwTorque_HwNm_f32 target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc target_ActivePull_Per1_PullCmpEna_Cnt_Igc target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32 target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f	target_ActivePull_Per1_HandwheelAuthority_UIs_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_ActivePull_Per1_HwTorque_HwNm_f32 target_ActivePull_Per1_PullCmpCustLmgDi_Cnt_Igc target_ActivePull_Per1_PullCmpEna_Cnt_Igc target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32 target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32 target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_HandwheelAuthority_UIs_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_ActivePull_Per1_HwTorque_HwNm_f32 target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc target_ActivePull_Per1_PullCmpEna_Cnt_Igc target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32 target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32 target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc target_ActivePull_Per1_VehicleSpeed_Kph_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_HandwheelAuthority_UIs_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_ActivePull_Per1_HwTorque_HwNm_f32 target_ActivePull_Per1_PullCmpCustLmgDi_Cnt_Igc target_ActivePull_Per1_PullCmpEna_Cnt_Igc target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32 target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32 target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc





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	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 ± 0.00000001490116119384765625	~
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	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	~

Гest 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_UIs_M_f32	3.92000002e-005
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	304
ullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2432
ullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
rullCmp_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
rullCmp VehicleYawRateSV DegpS M Str.K Uls f32	0.00125584798
tte 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
tte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
EnableHwAuthMin_Uls_f32	1
EnableHwPosMax HwDeg f32	45
EnableHwTrqMax HwNm f32	2.79999995
EnableHwVelMax DegpS f32	10
G EnableLatAccMax_MpSecSq_f32	7.67850018
EnableTime mS u32	2000
EnableVehSpdMax Kph f32	160
	60
	1
	1
_ FiltDeadband_HwNm_f32	0.25
	0.100000001
	3
STLeamTimeDec_Sec_f32	45
STLearnTimeInc_Sec_f32	45
STLimit HwNm f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
STResetLatAcc MpSecSq f32	1
STResetYawRate DegpS f32	1



ActiveFuil_Fei1			
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_Cr	nt Igc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_		
target Rte Inst Ap ActivePull.ActivePull Per1 EstLatAcc MpSecSq f32	target ActivePull Per1 EstLatAcc MpSecS		
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_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_		
target Rte Inst Ap ActivePull.ActivePull Per1 HwTorque HwNm f32	target ActivePull Per1 HwTorque HwNm t		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpCustLrngDi Cnt Igc	target_ActivePull_Per1_PullCmpCustLrngDi	Cnt lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermInf	tgtrSt_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_De	egpS_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	~
	0		•

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	1.9999995e-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		е
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime	e_GetSystemTime_mS_u32_CurrentTime	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull		
k_EnableHwAuthMin_UIs_f32	45		
k_EnableHwPosMax_HwDeg_f32 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 1		
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0		
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value 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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elapsed$	1802717696		
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTime			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cr		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	- -	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_lgc target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpEna_Cnt_lot target_ActivePull_Per1_PullCmpShoTermIn		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D		
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	6.0000058e-005	6.00000058e-005 ±	1.5041
		0.00000001490116119384765625	
PullCmp_EnableLearn_Cnt_M_lgc	1	1	~
	E004E0044	500153344 ± 1	■
PullCmp_EnableTime_mS_M_u32	500153344		
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	0.686938226	0.686938226 ± 0.00048828125	•
			•



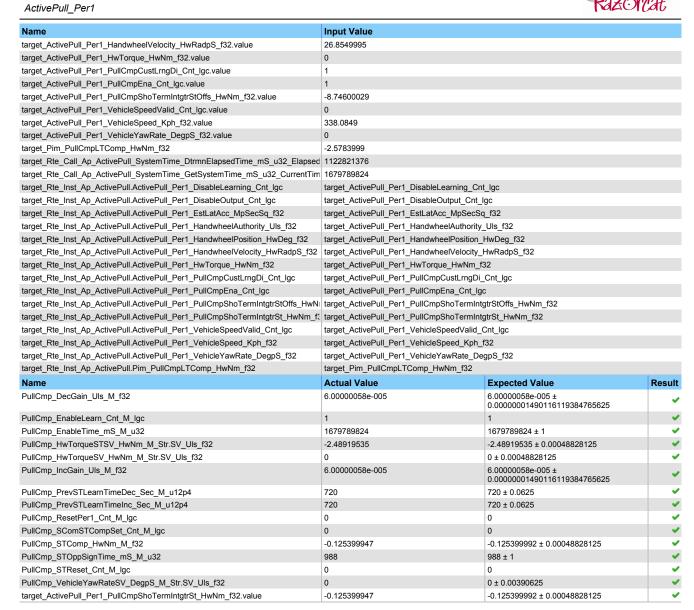


Name	Actual Value	Expected Value	Result
		0.00000001490116119384765625	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	~
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	✓
PullCmp_ResetPer1_Cnt_M_lgc	0	0	~
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	✓
PullCmp_STComp_HwNm_M_f32	-0.0815887824	-0.0815887824 ± 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				V
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
	0.00125584798
PullCmp IncGain UIs M f32	5.0300001e-005
	2256
	1104
	0
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
PullCmp_SComSTComp_HwNm_M_f32	-1.352
PullCmp STComp HwNm M f32	-0.518400013
	988
PullCmp_STStepSize_HwNm_M_f32	1146,29285
PullCmp VehSpdRate KphpS M f32	-1404.6626
	0
	0.00125584798
Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32(ElapsedTime)	target Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32 ElapsedTime
	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
	target_Rte_Inst_Ap_ActivePull 0
	45
4	2.79999995
k_EnableHwVelMax_DegpS_f32	10
	0.5
	2000
k_EnableVehSpdMax_Kph_f32	160
	60
k_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
	0.25
	0.100000001
_ ,	3
	45
21 11 21 21 21	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





Test Step Call Trace				V
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	D. E. IT. 0.00 E. IT.	
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime		me
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) Rte_Inst_Ap_ActivePull	target_Rte_Call_Ap_ActivePull_SystemTime target_Rte_Inst_Ap_ActivePull	e_GetSystemTime_ms_u32_CurrentTime	
k EnableHwAuthMin Uls f32	1		
k_EnableHwPosMax_HwDeg_f32	45		
<pre>c_nableHwTrqMax_HwNm_f32</pre>	2.79999995		
c EnableHwVelMax DegpS f32	10		
c_EnableLatAccMax_MpSecSq_f32	0.5		
c_EnableTime_mS_u32	2000		
_EnableVehSpdMax_Kph_f32	160		
_EnableVehSpdMin_Kph_f32	60		
<_EnableVehSpdRateMax_KphpS_f32	1		
c_EnableYawRateMax_DegpS_f32	1		
c_FiltDeadband_HwNm_f32	0.25		
z_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001		
c_STIntInputLimit_HwNm_f32	3		
x_STLearnTimeDec_Sec_f32	45		
S_STLearnTimeInc_Sec_f32	45		
x_STLimit_HwNm_f32	1		
x_STOppSignTime_mS_u32	100		
STResetHwPos_HwDeg_f32	45		
c_STResetHwTrq_HwNm_f32 c STResetLatAcc MpSecSq f32	3		
<pre><_STRESEtLatAcc_mpSecSq_132</pre> <pre><_STRESEtYawRate_DegpS_f32</pre>	1		
Contract awkate_begpo_132	0		
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1		
arget_ActivePull_Per1_DisableOutput_Cnt_Igc.value	1		
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0		
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1		
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996		
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	23.4396		
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	0		
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0		
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1		
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	8.60910034		
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	34.9230995		
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0		
arget_Pim_PullCmpLTComp_HwNm_f32	0.496100008		
arget Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32 Elapsed			
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim			
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cr		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	-	
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelPosition_ target_ActivePull_Per1_HandwheelVelocity	- -	
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_Handwheelvelocity_HwRadpS_132 arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target ActivePull Per1 HwTorque HwNm	- ' -	
arget_Rte_inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi		
arget Rte Inst Ap ActivePull.ActivePull Per1 PullCmpEna Cnt Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
arget_Rte_inst_Ap_ActiveFull.ActiveFull_Per1_FullCmpShoTermIntgtrStOffs_HwN			
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f			
arget Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeedValid Cnt Iqc	target ActivePull Per1 VehicleSpeedValid		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph		
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D		
arget_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resi
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	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 ± 0.00000001490116119384765625	
PullCmp PrevSTLearnTimeDec Sec M u12p4	720	720 ± 0.0625	
PullCmp PrevSTLearnTimeDec_Sec_W_12p4	720	720 ± 0.0625	
PullCmp ResetPer1 Cnt M Igc	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	

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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_UIs_f32	-0.273200005
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_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_STLearnTimeDec_Sec_132	45
k STLimit HwNm f32	1
k STOppSignTime mS u32	100
•	
k_STResetHwPos_HwDeg_f32	3
k_STResetHwTrq_HwNm_f32	1
k_STResetLatAcc_MpSecSq_f32	1
k_STResetYawRate_DegpS_f32	0
k_TotalLimit_HwNm_f32	
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

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Name	Input Value
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
target_Pim_PullCmpLTComp_HwNm_f32	3.52410007
S mpf3 lu	

ActivePull_Per1





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	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 UIs f32	0.100000001			
k_STIntInputLimit_HwNm_f32	3			
k_STLeamTimeDec_Sec_f32	45			
k_STLeamTimeInc_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			
	1			
k_STResetYawRate_DegpS_f32 k_TotalLimit_HwNm_f32	0			
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0			
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value				
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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elapse$				
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentT				
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cnt_Igc			
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	ı_HwDeg_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32000000000000000000000000000000000000$	2 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_PullCmpCustLrngD	i_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_I	gc		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNerring transfer and the property of the property$	target_ActivePull_Per1_PullCmpShoTermIr	ntgtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_Results = 0.0000000000000000000000000000000000$	f: target_ActivePull_Per1_PullCmpShoTermIr	ntgtrSt_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_D	DegpS_f32		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32			
Name	Actual Value	Expected Value	Resul	
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	•	
		0	•	
PullCmp_ResetPer1_Cnt_M_lgc	0			
PullCmp_ResetPer1_Cnt_M_lgc PullCmp_SComSTCompSet_Cnt_M_lgc	0	0		
			•	
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0		
PullCmp_SComSTCompSet_Cnt_M_lgc PullCmp_STComp_HwNm_M_f32	0 -0.526199996	0 -0.526199996 ± 0.00048828125		
PullCmp_SComSTCompSet_Cnt_M_lgc PullCmp_STComp_HwNm_M_f32 PullCmp_STOppSignTime_mS_M_u32	0 -0.526199996 1322	0 -0.526199996 ± 0.00048828125 1322 ± 1	•	



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 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_UIs_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_DtfffinElapsedTime_mS_u32(ElapsedTime) Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_Dtrimic_lapsedTime_mS_u32_EtapsedTime target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
EnableHwAuthMin_Uls_f32	
_EnableHwPosMax_HwDeg_f32	45
EnableHwTrqMax_HwNm_f32	2.7999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	511
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
STResetHwPos HwDeg f32	45
STResetHwTrq_HwNm_f32	3
STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
TotalLimit HwNm f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget ActivePull Per1 DisableOutput Cnt Igc.value	0
arget_ActiveFull_Fer1_EistLatAcc_MpSecSq_f32.value	0
arget ActivePull Per1 HandwheelAuthority Uls f32.value	1
· · - · · - · - · - · · - · · - · · · · · · · · · · · · · · · · · · · ·	13.3451996
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-0.0361000001
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	0
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.32119989
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	337.882904
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
arget_Pim_PullCmpLTComp_HwNm_f32	2.96359992
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2896509184
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	2832007936
arget_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_Igc			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSo	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_f	32		
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_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	С		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpression (Continuous Continuous Contin$	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fstarget_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fstarget_Rte_Inst_Ap_ActivePullActivePull_Rest_Rte_Inst_Ap_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActiv$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32		
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_UIs_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	1.4799999e-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 k_STLearnTimeInc_Sec_f32	45 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 1		
target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc.value target ActivePull Per1 VehicleSpeed Kph f32.value	398.654205		
target_ActivePull_Per1_VehicleSpeed_Rpi1_i32.value 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			
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim			
target Rte Inst Ap ActivePull.ActivePull Per1 DisableLearning Cnt Igc	target ActivePull Per1 DisableLearning Cn	t lac	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target ActivePull Per1 DisableOutput Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSet	•	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
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_f	32	
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_lg	С	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNi	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f		. – –	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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	6.0000058e-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	-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 ± 0.00000001490116119384765625	•
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	889436672	889436672 ± 1	•
PullCmp_STReset_Cnt_M_lgc	0	0	~
	0	0 ± 0.00390625	-
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_UIs_f32 target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0	0 ± 0.00048828125	

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Test Step Call Trace			V
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_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_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_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi_	_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpul$	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3000000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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_UIs_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

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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



Test Step Call Trace				V
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	~

est Step 3.41 (Repeat Count = 1)	
	Input Value
	2.9999992e-005
	2.99999926-003
1= = = = = = = = = = = = = = = = = = =	-9.53919983
	0.715390444
	0.713330444
	0.00125584798
	2.5400006e-005
	128
	2912
	0
1 = = = = = = = = = = = = = = = = = = =	0
	0.781000018
	2.31329989
	448
	12580.0557
	2805.56274
	0
	0.00125584798
	target Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32 ElapsedTime
	target_Rte_Call_Ap_ActiveFull_SystemTime_ButtifficapsedTiffie_mis_usz_EtapsedTiffie target_Rte_Call_Ap_ActiveFull_SystemTime_GetSystemTime_ms_usz_CurrentTime
	target Rte Inst Ap ActivePull
	1
	45
	2.79999995
·	10
	0.5
	2000
	511
	60
	1
	1
	0.25
	0.100000001
	3
- '	45
	45
	1
	100
	45
	3
	1
STResetYawRate DegpS f32	1
	0
	0
	1
	0
	1
0 =	13.3451996
riget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-26.9022007
	0
	1
	1
rget ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value	-9.53919983
	1
	139.866501
	0
	4
arget_Rite_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	
arget_Rte_Call_Ap_ActivePull_SystemTime_DiffiniEnapsedTime_mS_u32_Enapsed arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	
agot_tto_coa_np_notiver dii_cysterittiine_Getcysterittiine_inc_ucz_Guitelittiiii	0201201000





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthori	ty_Uls_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32$	target_ActivePull_Per1_HandwheelPosition	n_HwDeg_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f$	32 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_PullCmpCustLrngE	Di_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_Hr	wNi target_ActivePull_Per1_PullCmpShoTermli	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNnderserver$	n_f; target_ActivePull_Per1_PullCmpShoTerml	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid	I_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph	n_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_0	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	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 ± 0.00000001490116119384765625	~
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	1.95392001	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		
	45		
k_STLearnTimeDec_Sec_f32	45		
k_STLearnTimeInc_Sec_f32			
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_Elapse	ed 476797952		
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTir	m 3144588800		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target ActivePull Per1 DisableLearning C	nt lac	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	-	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_	-	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngD	i_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_I	gc	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	N target_ActivePull_Per1_PullCmpShoTermIr	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_trackingPerspectivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActiveP$	f: target_ActivePull_Per1_PullCmpShoTermIr	ntgtrSt_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_D	DegpS f32	
target Rte Inst Ap ActivePull.Pim PullCmpLTComp HwNm f32	target_Pim_PullCmpLTComp_HwNm_f32	5	
Name	Actual Value	Expected Value	Resu
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	Resul
PullCmp EnableLearn Cnt M Iqc	1	1	
PullCmp EnableTime mS M u32			
	3144588800	3144588800 ± 1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_f32	2.28994036	2.28994012 ± 0.00048828125	
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 PullCmp_IncGain_Uls_M_f32	0 6.00000058e-005	0 ± 0.00048828125 6.00000058e-005 ±	•
PullCmp ProvSTI earnTimeDec Sec M v42e4	720	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	•
Full-Chip_STReset_Chit_inj_igc			
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	•



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 Sten 2 42 (Beneat Count - 4)	
Test Step 3.43 (Repeat Count = 1)	Innut Value
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_UIs_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_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_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_f	32	
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_lge	C	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(a) = 0.0000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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	-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	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				V
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	1.3599999e-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

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ActivePull_Per1		(Vol.	DOIGAL
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_Igc.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			
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cn		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSe	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority	-	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32		· -	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target_Rte_inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleYawRate DegpS f32	target_Activeruil_Per1_VehicleSpeed_Rpi1_ target_ActivePull_Per1_VehicleYawRate_De		
target Rte Inst Ap ActivePull.Pim PullCmpLTComp HwNm f32	target Pim PullCmpLTComp HwNm f32	900_102	
Name	Actual Value	Expected Value	Resul
		· ·	Resul
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	6.0000058e-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 Igc	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_UIs_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
·- ·	458
PullCmp_STOppSignTime_mS_M_u32	16932.6953
PullCmp_STStepSize_HwNm_M_f32	
PullCmp_VehSpdRate_KphpS_M_f32	-965.140259 0
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_UIs_f32	i e
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_UIs_f32 Pto_Call_Ap_ActivePull_SystemTime_DtrmpElapsedTime_mS_u32(FlapsedTime)	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	
k_EnableYawRateMax_DegpS_f32	
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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elap$	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	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_I	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_	_Ulsf32	
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_f3	32	
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_lgd		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_Hwn$	target_ActivePull_Per1_PullCmpShoTermInto	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(a) = 0.0000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInto	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_t	732	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_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 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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elap$	3285770240		
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentT	3867197952		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_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_MpSecSo	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_Ig		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleYawRate DegpS f32	target ActivePull Per1 VehicleYawRate De		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	3F	
Name	Actual Value	Expected Value	Result
PullCmp_DecGain_Uls_M_f32	6.0000058e-005	6.0000058e-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	V
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	V
PullCmp_ResetPer1_Cnt_M_lgc	0	0	V
PullCmp_SComSTCompSet_Cnt_M_lgc	0	0	V
PullCmp_STComp_HwNm_M_f32	-1.41900003	-1.41900003 ± 0.00048828125	V
PullCmp_STOppSignTime_mS_M_u32	771	771 ± 1	~
PullCmp_STReset_Cnt_M_lgc PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 0 ± 0.00390625	~
target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	-1.41900003	-1.41900003 ± 0.00048828125	
angon, solver and on the anomponer of fining a of TWMIII_102.value		1000000 ± 0.00040020120	



Test Step Call Trace			V	
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_UIs_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
rullCmp_STStepSize_HwNm_M_f32	13075.3018
PullCmp_VehSpdRate_KphpS_M_f32	4350.2583
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0
ullCmp_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
EnableHwAuthMin_Uls_f32	1
	45
EnableHwTrgMax HwNm f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
EnableLatAccMax MpSecSq f32	0.5
EnableTime mS u32	2000
EnableVehSpdMax Kph f32	160
_EnableVehSpdMin_Kph_f32	60
	1
EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	
_FiltDeadband_HwNm_f32	0.25
_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
STIntInputLimit_HwNm_f32	3
_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	24.3047009
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	0
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value	8.95950031
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_ActiveFull_Per1_VehicleSpeed_Kph_f32.value	139.866501
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
	0.5801
arget_Pim_PullCmpLTComp_HwNm_f32	
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1939088128
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4255415552





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthori	ty_Uls_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32$	target_ActivePull_Per1_HandwheelPosition	n_HwDeg_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f3	32 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_PullCmpCustLrngE	Di_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_	lgc	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_Hverting and the property of the pr$	vNi target_ActivePull_Per1_PullCmpShoTerml	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_H$	_f: target_ActivePull_Per1_PullCmpShoTerml	ntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid	l_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph	n_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_0	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	✓

T (0) 040/D (0 4 4)	
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 Igc.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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim			
target Rte Inst Ap ActivePull.ActivePull Per1 DisableLearning Cnt Igc	target ActivePull Per1 DisableLearning Cr	nt lac	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_	_,	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority	_	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_		
target Rte Inst Ap ActivePull.ActivePull Per1 HandwheelVelocity HwRadpS f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target ActivePull Per1 HwTorque HwNm 1		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpEna_Cnt_Igc	target ActivePull Per1 PullCmpEna Cnt Ig		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_ft			
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeedValid Cnt Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	59PO_102	
Name		Expected Value	Pagu
PullCmp_DecGain_Uls_M_f32	Actual Value 6.00000058e-005	Expected Value 6.0000058e-005 ± 0.0000001490116119384765625	Resu
PullCmp EnableLearn Cnt M Igc	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_HwTorqueS15V_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	
PullCmp_IncGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000001490116119384765625	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	
PullCmp_PrevSTLearnTimeDec_Sec_W_u12p4 PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	
PullCmp_ResetPer1_Cnt_M_lgc	0	0	
PullCmp SComSTCompSet Cnt M Igc	0	0	
	0	0 ± 0.00048828125	
, = = = = = = = = = = = = = = = = = = =		0 ± 0.00040020123	
PullCmp_STComp_HwNm_M_f32		82136064 + 1	
PullCmp_STComp_HwNm_M_f32 PullCmp_STOppSignTime_mS_M_u32	82136064	82136064 ± 1	
PullCmp_STComp_HwNm_M_f32		82136064 ± 1 0 0 ± 0.00390625	



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	•

Fest Step 3.49 (Repeat Count = 1)	
lame	Input Value
PullCmp_DecGain_Uls_M_f32	2.87000003e-005
PullCmp EnableLearn Cnt M Igc	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
: EnableHwAuthMin Uls f32	1
_EnableHwPosMax_HwDeg_f32	45
	2.79999995
EnableHwVelMax DegpS f32	10
EnableLatAccMax MpSecSq f32	0.5
EnableTime mS u32	2000
_EnableVehSpdMax_Kph_f32	160
	60
_EnableVehSpdMin_Kph_f32 _EnableVehSpdRateMax_KphpS_f32	100
_EnableYawRateMax_DegpS_f32	1
Elitbeadband HwNm f32	0.25
	0.100000001
_PullCmp_STIntgtrStCorrnGain_Uls_f32	
_STIntInputLimit_HwNm_f32	3
STLearnTimeDec_Sec_f32	45 45
_STLearnTimeInc_Sec_f32	
STORESIDETING MS (122	1
STRead hype Hype 132	100
STResetHwPos_HwDeg_f32	45
STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
STResetYawRate_DegpS_f32	1
_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	0
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	13.3451996
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	0.00150000001
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	0
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-9.42080021
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	139.866501
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0
arget_Pim_PullCmpLTComp_HwNm_f32	-0.491699994
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	4194022656





Name	Input Value		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	q_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_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi_	_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpression (Continuous Continuous Contin$	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3000000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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	-2.68124962	-2.68124986 ± 0.00048828125	~
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.00048828125	~
PullCmp_IncGain_UIs_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	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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elap$	d 2462032896		
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_CurrentTime_ms_u33_Curren$	780019200		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C	nt_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_MpSecS	6q_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	y_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition	_HwDeg_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32000000000000000000000000000000000000$	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_PullCmpCustLrngD	i_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_I	gc	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIr	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_tracking the property of the prope$	target_ActivePull_Per1_PullCmpShoTermIr	ntgtrSt_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_D	egpS_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	-
FullChip_311(eset_Oht_iw_igc			
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	0	0 ± 0.00390625	→

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ActivePull_Per1

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_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	q_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_t	732	
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_lg	c	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNDermarkers and the property of t$	target_ActivePull_Per1_PullCmpShoTermInt	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim			
target Rte Inst Ap ActivePull.ActivePull Per1 DisableLearning Cnt Igc	target ActivePull Per1 DisableLearning Cr	at lac	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_	-	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_1		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc			
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpEna_Cnt_lg target_ActivePull_Per1_PullCmpShoTermInt		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3		·	
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeedValid Cnt Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egp5_i32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resu
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	
PullCmp EnableLearn Cnt M Igc	1	1	
PullCmp_EnableTime mS M u32	4251832320	4251832320 ± 1	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	1.54486203	4251832320 ± 1 1.54486203 ± 0.00048828125	
PullCmp_HwTorqueS1SV_HwNm_M_Str.SV_UIs_f32 PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_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_PrevSTLearnTimeDec_Sec_M_u12p4 PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	
PullCmp_ResetPer1_Cnt_M_lgc	0	0	
	0	0	
PullCmp_SComSTCompSet_Cnt_M_lgc			
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	

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ActivePull_Per1

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_MpSecS	q_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_lg	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_frame and the property of the prop$	target_ActivePull_Per1_PullCmpShoTermIn	tgtrSt_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_De	egpS_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

ActivePull Per1

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Input Value k EnableTime mS u32 2000 160 k EnableVehSpdMax Kph f32 k EnableVehSpdMin Kph f32 60 k_EnableVehSpdRateMax_KphpS_f32 1 k EnableYawRateMax DegpS f32 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 k_STOppSignTime_mS_u32 100 k_STResetHwPos_HwDeg_f32 45 3 k_STResetHwTrq_HwNm_f32 k_STResetLatAcc_MpSecSq_f32 k STResetYawRate DeapS 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 $target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value$ target ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value 10 target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value 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_Igc 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 $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePull_PullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, target_ActivePullCmpShoTermIntgtrSt_HwNm_f\cite{Continuous}, t$ $target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc$ target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleSpeed_Kph_f32 target_ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Pim_PullCmpLTComp_HwNm_f32 target_Rte_Inst_Ap_ActivePull.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 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 6.00000058e-005 ± 0.00000001490116119384765625 PullCmp_IncGain_Uls_M_f32 6.00000058e-005 PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4 720 720 ± 0.0625 720 720 ± 0.0625 PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4 PullCmp_ResetPer1_Cnt_M_lgc 0 0 PullCmp_SComSTCompSet_Cnt_M_lgc 0 0 PullCmp_STComp_HwNm_M_f32 0 ± 0.00048828125 0 $PullCmp_STOppSignTime_mS_M_u32$ 444 + 1 444 PullCmp_STReset_Cnt_M_lgc -42.2268639 ± 0.00390625 PullCmp VehicleYawRateSV DegpS M Str.SV Uls f32 -42.2268639 0 + 0 00048828125 target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value 0



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)	
lame	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
·- · - · · ·	100,7006
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_UIs_f32	
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
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0
PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
STIntInputLimit_HwNm_f32	3
STLearnTimeDec Sec f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
	100
_STOppSignTime_mS_u32	
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-7.10860014
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-196.575195
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-29.5876999
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	5.26179981
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget ActivePull Per1 PullCmpEna Cnt Iqc.value	1
arget ActivePull Per1 PullCmpShoTermIntqtrStOffs HwNm f32.value	5.1244998
arget ActivePull Per1 VehicleSpeedValid Cnt Igc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.133698
	-54.9476013
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	4
arget_Pim_PullCmpLTComp_HwNm_f32	
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	993230048
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	545678592





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	q_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_	_HwDegf32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32$	target_ActivePull_Per1_HandwheelVelocity_	HwRadpS_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_t	32	
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_lg	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNnersetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLinesetLi$	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCm$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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	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	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	~

T4 04 0 50 /P4 04	
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

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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_STLeamTimeDec_Sec_f32	45		
k_STLeamTimeInc_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			
k_STResetYawRate_DegpS_f32	0		
k_TotalLimit_HwNm_f32	1		
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1		
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value			
target_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	3.73769999 0.419400007		
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value target_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	670.454529		
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value target ActivePull Per1 HwTorque HwNm f32.value	-15.2601995 8.80620003		
· · · · · · · · · · · · · · · · · · ·	0		
target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value 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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Ci	nt lac	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target Rte Inst Ap ActivePull.ActivePull Per1 HwTorque HwNm f32	target_ActivePull_Per1_HwTorque_HwNm_	- · -	
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngD		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpEna Cnt Igc	target ActivePull Per1 PullCmpEna Cnt le		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f			
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeedValid Cnt Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target Rte Inst Ap ActivePull.ActivePull Per1 VehicleSpeed Kph f32	target ActivePull Per1 VehicleSpeed Kph		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D		
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.0000001490116119384765625	Resul
PullCmp EnableLearn Cnt M Igc	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	٠,
PullCmp_IncGain_Uls_M_f32	6.0000058e-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	

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Test Step Call Trace				V
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_I	target_ActivePull_Per1_DisableOutput_Cnt_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_	_Ulsf32		
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_f3	32		
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_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lgd	;		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwNintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_HwnintgtrStOffs_Hwn$	target_ActivePull_Per1_PullCmpShoTermInto	gtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(a) = 0.0000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInto	gtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	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_De	gpS_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	-6.65532541	-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	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

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Nome	Innut Value			
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_Igc.value	0			
	0			
target_ActivePull_Per1_DisableOutput_Cnt_lgc.value				
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_Elapse				
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentT				
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_PullCmpCustLrngE	Pi_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	N target_ActivePull_Per1_PullCmpShoTerml	ntgtrStOffs_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_				
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			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_0	_		
target Rte Inst Ap ActivePull.Pim PullCmpLTComp HwNm f32	target_Pim_PullCmpLTComp_HwNm_f32	-01-2		
		Expected Value	Doc	
Name	Actual Value	Expected Value	Resu	
PullCmp_DecGain_Uls_M_f32	6.0000058e-005	6.00000058e-005 ± 0.00000001490116119384765625		
PullCmp EnableLearn Cnt M Iqc	1	1		
1= = = = = = = = = = = = = = = = = = =				
PullCmp_EnableTime_mS_M_u32	3297422848	3297422848 ± 1		
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_f32	4.68294144	4.68294144 ± 0.00048828125		
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 PullCmp_IncGain_Uls_M_f32	6.31338406 6.00000058e-005	6.31338453 ± 0.00048828125 6.00000058e-005 ± 0.0000001490116119384765625		
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625		
PullCmp PrevSTLearnTimeDec_Sec_M_u12p4 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		
- H2 - 1/1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ - 1/1/ -	-51.8956604	-51.8956604 ± 0.00390625		
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-31.0930004	-31.0030004 ± 0.00330023		



Test Step Call Trace				V
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)	Innut Value
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
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
	0.100000001
_STIntInputLimit_HwNm_f32	3
STLearnTimeDec_Sec_f32	45
STLearnTimeInc Sec f32	45
 _STLimit_HwNm_f32	1
 _STOppSignTime_mS_u32	100
STResetHwPos_HwDeg_f32	45
STResetHwTrq_HwNm_f32	3
STResetLatAcc MpSecSq f32	1
STResetYawRate_DegpS_f32	1
z_TotalLimit_HwNm_f32	0
arget ActivePull Per1 DisableLearning Cnt Igc.value	0
arget ActivePull Per1 DisableOutput Cnt Igc.value	0
arget ActivePull Per1 EstLatAcc MpSecSq f32.value	4.7505002
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.463200003
arget_ActiveFull_Per1_HandwheelPosition_HwDeg_f32.value	-445.123688
arget_ActiveFull_Per1_HandwheelVelocity_HwRadpS_f32.value	-36.6272011
arget_ActivePull_Per1_Harlowneervelocity_HwRadp5_i52.value	6.32870007
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-4.02829981
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arget_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	434.97229
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-99.0487976
arget_Pim_PullCmpLTComp_HwNm_f32	2.04990005
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	2809360384
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	4251046400





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	q_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_f	32	
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_lge	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpul$	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f; \\$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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	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 ± 0.00000001490116119384765625	•
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	0.402829975	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

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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		
	-8.76420021		
target_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	0.708100021		
target_Pim_PullCmpLTComp_HwNm_f32			
target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapse			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTir			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_	-	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngD		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_l		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN		·	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
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	
	1	1	
Pullomb Streset Cht M Idc			
PullCmp_STReset_Cnt_M_lgc PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	23.8973694	23.8973656 ± 0.00390625	



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
	2.25999993e-005
PullCmp_DecGain_Uls_M_f32	2.25999993-6-005
PullCmp_EnableLearn_Cnt_M_lgc	
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_f32	6.94070005
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_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	2.7999995
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	





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSet	q_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_f	32	
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_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_from the property of the property $	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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	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	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

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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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Ela$	1784507648		
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u332_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTime_ms_u322_CurrentTim$	3845478144		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C	nt_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_MpSecS	6q_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	y_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_Igc	target_ActivePull_Per1_PullCmpCustLrngD	i_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_l	gc	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermIr	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_from the properties of the$	target_ActivePull_Per1_PullCmpShoTermIr	ntgtrSt_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_D	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
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_UIs_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	3845478144	3845478144 ± 1	•
PullCmp_STReset_Cnt_M_lgc	1	1	•
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	69.3005905	69.3005905 ± 0.00390625	
	-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 Igc	0
PullCmp HwTorqueSTSV HwNm M Str.SV UIs f32	8.95950031
PullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.0272379816
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.30919981
	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	2.04999997e-005
PullCmp_IncGain_Uls_M_f32 PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1728
	224
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4 PullCmp_ResetPer1_Cnt_M_lgc	0
1	1
PullCmp_SComSTCompSet_Cnt_M_lgc	3.46580005
PullCmp_SComSTComp_HwNm_M_f32	
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	2.7999995
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	
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	





Name	Input Value			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	gc		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_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_f	32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	С		
$target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpul$	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32		
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3000000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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

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000 60 0 .25 .10000001 .56739998 5 5 00 5 2.63940001 .877699971 97.391693 5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn_arget_ActivePull_Per1_EstLatAcc_MpSecSarget_ActivePull_Per1_HandwheelAuthority_arget_ActivePull_Per1_HandwheelPosition_arget_ActivePull_Per1_HandwheelPosition_arget_ActivePull_Per1_HandwheelPosition_arget_ActivePull_Per1_HandwheelPosition_arget_ActivePull_Per1_HandwheelPosition_arget_ActivePull_Per1_HandwheelPosition_arget_ActivePull_Per1_HandwheelVelocity	lgc q_f32	
25 .100000001 .56739998 5 5 5 00 5 2.63940001 .877699971 97.391693 5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cnearcet_ActivePull_Per1_DisableOutput_Cnt_arget_ActivePull_Per1_HandwheelAuthority_arget_ActivePull_Per1_HandwheelAuthority_arget_ActivePull_Per1_HandwheelAuthority_arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
.25 .100000001 .56739998 5 5 5 00 5 .2.63940001 .877699971 97.391693 5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cnearest_ActivePull_Per1_DisableOutput_Cnt_arget_ActivePull_Per1_HandwheelAuthority_arget_ActivePull_Per1_HandwheelAuthority_arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
	lgc q_f32	
.25 .100000001 .56739998 5 5 5 00 5 2.63940001 .877699971 97.391693 5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cnearcet_ActivePull_Per1_DisableOutput_Cnt_arget_ActivePull_Per1_HandwheelAuthority.arget_ActivePull_Per1_HandwheelAuthority.arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
.100000001 .56739998 .5 .5 .5 .00 .5 .63940001 .877699971 .97.391693 .5.31890011 .1718998 .4.61210012 .79.01001 .76.7530975 .16381440 .211912448 .arget_ActivePull_Per1_DisableLearning_Cn_arget_ActivePull_Per1_DisableOutput_Cnt_arget_ActivePull_Per1_HandwheelAuthority_arget_ActivePull_Per1_HandwheelAuthority_arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
.56739998 .5 .5 .5 .00 .5 .63940001 .877699971 .97.391693 .5.31890011 .1718998 .4.61210012 .79.01001 .76.7530975 .16381440 .211912448 .arget_ActivePull_Per1_DisableLearning_Cn .arget_ActivePull_Per1_DisableOutput_Cntarget_ActivePull_Per1_DisableOutput_Cntarget_ActivePull_Per1_HandwheelAuthorityarget_ActivePull_Per1_HandwheelPositionarget_ActivePull_Per1_HandwheelPositionarget_ActivePull_Per1_HandwheelPositionarget_ActivePull_Per1_HandwheelPositionarget_ActivePull_Per1_HandwheelPositionarget_ActivePull_Per1_HandwheelPositionarget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
5 5 5 6 6 7 7 8 7 8 8 7 8 8 7 8 8 8 8 8 8 8 8	lgc q_f32	
5 00 5 2.63940001 .877699971 97.391693 5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSo arget_ActivePull_Per1_HandwheelAuthority arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
2.63940001 .877699971 .877699971 .97.391693 .5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSo arget_ActivePull_Per1_HandwheelAuthority arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
2.63940001 2.63940001 2.677699971 97.391693 5.31890011 1.1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSo arget_ActivePull_Per1_HandwheelAuthority arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
5. 2.63940001 2.63940001 2.677699971 97.391693 5.31890011 2.1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSo arget_ActivePull_Per1_HandwheelAuthority arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
2.63940001 .877699971 97.391693 5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSo arget_ActivePull_Per1_HandwheelAuthority arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
2.63940001 .877699971 97.391693 5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSo arget_ActivePull_Per1_HandwheelAuthority, arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
2.63940001 .877699971 97.391693 5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSo arget_ActivePull_Per1_HandwheelAuthority, arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
2.63940001 .877699971 97.391693 5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cnearget_ActivePull_Per1_DisableOutput_Cnt_arget_ActivePull_Per1_HandwheelAuthority.arget_ActivePull_Per1_HandwheelAuthority.arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
2.63940001 .877699971 97.391693 5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cnearget_ActivePull_Per1_DisableOutput_Cnt_arget_ActivePull_Per1_HandwheelAuthority.arget_ActivePull_Per1_HandwheelAuthority.arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
2.63940001 .877699971 97.391693 5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cnearget_ActivePull_Per1_DisableOutput_Cnt_arget_ActivePull_Per1_HandwheelAuthority.arget_ActivePull_Per1_HandwheelAuthority.arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
2.63940001 .877699971 97.391693 5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSor arget_ActivePull_Per1_HandwheelAuthority. arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
.877699971 97.391693 5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_HandwheelAuthority. arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
97.391693 5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_HandwheelAuthority, arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
5.31890011 .1718998 4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSo arget_ActivePull_Per1_HandwheelAuthority, arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSo arget_ActivePull_Per1_HandwheelAuthority, arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSorget_ActivePull_Per1_HandwheelAuthority, arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
4.61210012 79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSorget_ActivePull_Per1_HandwheelAuthority, arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSorget_ActivePull_Per1_HandwheelAuthority, arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSorget_ActivePull_Per1_HandwheelAuthority, arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
79.01001 76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSorget_ActivePull_Per1_HandwheelAuthority, arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
76.7530975 16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSorget_ActivePull_Per1_HandwheelAuthority arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSorget_ActivePull_Per1_HandwheelAuthority arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
16381440 211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSo arget_ActivePull_Per1_HandwheelAuthority arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
211912448 arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSo arget_ActivePull_Per1_HandwheelAuthority arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
arget_ActivePull_Per1_DisableLearning_Cn arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSo arget_ActivePull_Per1_HandwheelAuthority arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
arget_ActivePull_Per1_DisableOutput_Cnt_ arget_ActivePull_Per1_EstLatAcc_MpSecSo arget_ActivePull_Per1_HandwheelAuthority arget_ActivePull_Per1_HandwheelPosition_	lgc q_f32	
arget_ActivePull_Per1_EstLatAcc_MpSecSo arget_ActivePull_Per1_HandwheelAuthority arget_ActivePull_Per1_HandwheelPosition_	q_f32	
arget_ActivePull_Per1_HandwheelAuthority arget_ActivePull_Per1_HandwheelPosition_	-	
arget_ActivePull_Per1_HandwheelPosition_	/ I lle f32	
arget ActivePull Per1 HandwheelVelocity		
	- · -	
arget_ActivePull_Per1_HwTorque_HwNm_f		
arget_ActivePull_Per1_PullCmpCustLrngDi		
arget_ActivePull_Per1_PullCmpEna_Cnt_lg		
arget_ActivePull_Per1_PullCmpShoTermInt		
arget_ActivePull_Per1_PullCmpShoTermInt		
arget_ActivePull_Per1_VehicleSpeedValid_		
	egpS_f32	
arget_Pim_PullCmpLTComp_HwNm_f32		
Actual Value	Expected Value	Resu
.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	
211912448		
.00000058e-005	6.00000058e-005 ±	
20		
	-	
	-18.4628353 ± 0.00390625	
a a	rget_ActivePull_Per1_VehicleSpeed_Kph rget_ActivePull_Per1_VehicleYawRate_Di rget_Pim_PullCmpLTComp_HwNm_f32 ctual Value 00000058e-005 211912448 24884176 13731956	rget_ActivePull_Per1_VehicleSpeed_Kph_f32 rget_ActivePull_Per1_VehicleSpeed_Kph_f32 rget_Pim_PullCmpLTComp_HwNm_f32 ctual Value 00000058e-005 6.00000058e-005 ± 0.0000001490116119384765625 1 211912448 ± 1 224884176 5.24884176 ± 0.00048828125 13731956 9.13731956 ± 0.00048828125 00000058e-005 6.00000058e-005 ± 0.00000058e-005 ± 0.00000014890116119384765625 20 720 ± 0.0625 20 720 ± 0.0625 20 0 0 0 0 ± 0.00048828125 211912448 ± 1 1



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	~

est Step 3.65 (Repeat Count = 1)	
	Input Value
	3.07000009e-005
1= = = = = = =	0
ullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	-9.42080021
	0.715390444
	5.95749998
1	0.715390444
	4.1700001e-005
ullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	176
ullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	2224
ullCmp_ResetPer1_Cnt_M_lgc	1
1 = = = = = = = = = = = = = = = = = = =	0
ullCmp_SComSTComp_HwNm_M_f32	-0.957099974
ıllCmp_STComp_HwNm_M_f32	-0.659500003
1= 11 0 = = =	829
ullCmp_STStepSize_HwNm_M_f32	9263.63086
ullCmp_VehSpdRate_KphpS_M_f32	0
ullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-36.3209991
	0.161023766
	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
e_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
e_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
EnableHwAuthMin_Uls_f32	1
EnableHwPosMax_HwDeg_f32	45
EnableHwTrqMax_HwNm_f32	2.79999995
EnableHwVelMax_DegpS_f32	10
EnableLatAccMax_MpSecSq_f32	0.5
EnableTime_mS_u32	2000
EnableVehSpdMax_Kph_f32	160
EnableVehSpdMin_Kph_f32	60
EnableVehSpdRateMax_KphpS_f32	1.
	1
FiltDeadband_HwNm_f32	0.25
PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
	3
·	45
	45
	1
STOppSignTime_mS_u32	100
	45
	3
	1
	1
	0
	0
	1
	10
	1
rget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	51.4779015
rget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-34.9676018
	9.38440037
	1
rget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
rget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value rget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	-9.42080021 0
rget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	325.929108 -77.8945999
got AstivoDull Dord VohioloVov-Data Dagge (22	
rget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value rget_Pim_PullCmpLTComp_HwNm_f32	0.71420002





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	q_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_f	32	
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_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f(a) = 0.0000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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_UIs_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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elapse$			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentT			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cn		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec	-	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthori		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32		- · -	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngE		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs Hwl			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kpt	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_I	JegpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	1	1
Name	Actual Value	Expected Value	Resu
PullCmp_DecGain_Uls_M_f32	6.0000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	
PullCmp EnableLearn Cnt M Igc	1	1	
PullCmp EnableTime mS M u32	2257933056	2257933056 ± 1	
PullCmp HwTorqueSTSV HwNm M Str.SV UIs 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 ±	
1 diionp_inoodii1_0io_wi_ioz	0.0000000000000000000000000000000000000	0.000000388-003 ±	•
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	٠,
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	96.6571732	96.6571732 ± 0.00390625	

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Test Step Call Trace				V
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_UIs_M_f32	1.47000001e-005	





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	q_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	arget_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_lge	С	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpul$	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f; \\$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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

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ActivePuil_Per1			SILAG
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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_Elaps			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentT	n 545678592		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Ci		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	6q_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngD		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lo	gc	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	egpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
Name	Actual Value	Expected Value	Resul
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_UIs_f32	1.54486203	1.54486203 ± 0.00048828125	•
PullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 PullCmp_IncGain_Uls_M_f32	0.364004374 6.00000058e-005	0.364004374 ± 0.00048828125 6.0000058e-005 ± 0.0000001490116119384765625	•
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	,
PullCmp_PrevSTLearnTimeDec_Sec_W_u12p4 PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720	720 ± 0.0625	
PullCmp_ResetPer1_Cnt_M_lgc	0	0	
	0	0	
PullCmp_SComSTCompSet_Cnt_M_lgc	0		
PullCmp_STComp_HwNm_M_f32	•	0 ± 0.00048828125	
PullCmp_STOppSignTime_mS_M_u32	1375	1375 ± 1	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)	
lame	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 Igc	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 UIs 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_DtffilliclapsedTime_IniS_u32(CurrentTime) 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
EnableHwAuthMin Uls f32	1
	45
_EnableHwPosMax_HwDeg_f32	2.7999995
_EnableHwTrqMax_HwNm_f32	
_EnableHwVelMax_DegpS_f32	10
_EnableLatAccMax_MpSecSq_f32	0.5
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	
_EnableYawRateMax_DegpS_f32	1
_FiltDeadband_HwNm_f32	0.25
_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-9.32719994
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	778.636475
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-6.94250011
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.13390005
arget ActivePull Per1 PullCmpCustLrngDi Cnt Igc.value	1
arget ActivePull Per1 PullCmpEna Cnt Igc.value	1
arget ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value	-10
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.266205
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-89.3407974
arget_Pim_PullCmpLTComp_HwNm_f32	0.614799976
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	3030034000





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	q_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_lo	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_tracking and tracking and trackin$	f: target_ActivePull_Per1_PullCmpShoTermIn	tgtrSt_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_D	egpS_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	-5.37825203	-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	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





	Input Value		
oleTime_mS_u32	2000		
oleVehSpdMax_Kph_f32	160		
oleVehSpdMin_Kph_f32	60		
oleVehSpdRateMax_KphpS_f32	1		
oleYawRateMax_DegpS_f32	1		
eadband_HwNm_f32	0.25		
Cmp_STIntgtrStCorrnGain_Uls_f32	0.100000001		
tInputLimit_HwNm_f32	3		
earmTimeDec_Sec_f32	45		
earnTimeInc_Sec_f32	5		
mit_HwNm_f32	1		
ppSignTime_mS_u32	100		
esetHwPos_HwDeg_f32	45		
esetHwTrq_HwNm_f32	3		
esetLatAcc_MpSecSq_f32	1		
esetYawRate_DegpS_f32	1		
Limit_HwNm_f32	0		
ActivePull_Per1_DisableLearning_Cnt_lgc.value	0		
ActivePull_Per1_DisableOutput_Cnt_lgc.value	0		
ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-2.06739998		
ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.540700018		
ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	219.109406		
ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-31.9487991		
ActivePull_Per1_HwTorque_HwNm_f32.value	7.20590019		
ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0		
ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1		
ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	10		
ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
ActivePull_Per1_VehicleSpeed_Kph_f32.value	395.004303		
ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-83.7450027		
Pim_PullCmpLTComp_HwNm_f32	2.69260001		
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapse			
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTi	m 3109029632		
Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cr	nt_lgc	
Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	_lgc	
Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	—	
Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority	/_Uls_f32	
Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_		
Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheeIVelocity_HwRadpS_f3	2 target_ActivePull_Per1_HandwheelVelocity_	_HwRadpS_f32	
Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_		
Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi	_Cnt_lgc	
Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs Hwl	Ni target_ActivePull_Per1_PullCmpShoTermIn	tgtrStOffs_HwNm_f32	
Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_			
Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_		
Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_	_	
Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_f32	
Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32		
	Actual Value	Expected Value	Result
p_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ±	
5 111 0 111		0.00000001490116119384765625	
p_EnableLearn_Cnt_M_lgc	1	1	V
p_EnableTime_mS_M_u32	3109029632	3109029632 ± 1	· ·
p_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	8.00112724	8.00112724 ± 0.00048828125	•
p_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.53656864	5.53656864 ± 0.00048828125	_
p_incGain_Uis_M_f32	0.000540000037		→
p PrevSTLearnTimeDec Sec M u12p4	720		
		*	
· – · · – – – – –			
	1	1	
			-
			-
p_IncGain_Uls_M_f32 p_PrevSTLearnTimeDec_Sec_M_u12p4 p_PrevSTLearnTimeInc_Sec_M_u12p4 p_ResetPer1_Cnt_M_lgc p_SComSTCompSet_Cnt_M_lgc p_STComp_HwNm_M_f32 p_STOppSignTime_mS_M_u32 p_STReset_Cnt_M_lgc p_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32 ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32.value	0.000540000037 720 80 0 0 0 400	$0.000540000037 \pm 0.00000001490116119384765625$ 720 ± 0.0625 80 ± 0.0625 0 0 0 ± 0.00048828125 400 ± 1	



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)	Innut Value
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
c_EnableHwAuthMin_Uls_f32	1
c_EnableHwPosMax_HwDeg_f32	45
EnableHwTrgMax HwNm f32	2.79999995
c_EnableHwVelMax_DegpS_f32	10
EnableLatAccMax MpSecSq f32	0.5
C EnableTime mS u32	2000
C EnableVehSpdMax Kph f32	160
<pre>c_EnableVehSpdMin_Kph_f32</pre>	60
<pre>c_EnableVehSpdRateMax_KphpS_f32</pre>	1
<pre>c_EnableYawRateMax_DegpS_f32</pre>	1
CFiltDeadband HwNm f32	0.25
<pre><_InitDeauband_TWMni_i32</pre> <pre><_PullCmp_STIntgtrStCorrnGain_Uls_f32</pre>	0.100000001
CSTIntInputLimit_HwNm_f32	3
<pre><_STLearnTimeDec_Sec_f32</pre>	45
STLearnTimeInc_Sec_f32	200
C_STLimit_HwNm_f32	1
<pre>c_STOppSignTime_mS_u32</pre>	100
C_STResetHwPos_HwDeg_f32	45
c_STResetHwTrq_HwNm_f32	3
x_STResetLatAcc_MpSecSq_f32	1
x_STResetYawRate_DegpS_f32	1
c_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	1
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-7.10860014
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-196.575195
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-29.5876999
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	5.26179981
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	5.1244998
arget ActivePull Per1 VehicleSpeedValid Cnt Igc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.133698
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-54.9476013
arget_Pim_PullCmpLTComp_HwNm_f32	-3.51929998
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	
arget_Rte_Inst_Ap_ActiveFull_SystemTime_GetSystemTime_ins_usz_CurrentTim arget_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_MpSecSet	q_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_f	32	
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_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullPullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fractivePullCmpShoTermIntgtrSt_HwNm_fracti$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	gpS_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 ± 0.0000001490116119384765625	~
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 ± 0.00000001490116119384765625	~
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	✓

T4 04 0 70 /P4 04	
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

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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_Igc.value	0		
target_ActivePull_Per1_PullCmpEna_Cnt_lgc.value			
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	0		
target_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc.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			
		4 1	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cr		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity_	· -	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_1		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi	*	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f;		1 . F	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_ target_ActivePull_Per1_VehicleSpeed_Kph		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egp5_132	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	1=	1
Name	Actual Value	Expected Value	Resul
PullCmp_DecGain_Uls_M_f32	6.00000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	•
PullCmp EnableLearn Cnt M Igc	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)	
lame	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
ullCmp ResetPer1 Cnt M lgc	0
ullCmp_SComSTCompSet_Cnt_M_lgc	0
ullCmp_SComSTComp_HwNm_M_f32	1.45930004
ullCmp STComp HwNm M f32	2.23950005
ullCmp_STOppSignTime_mS_M_u32	1257
ullCmp STStepSize HwNm M f32	17301.8379
ullCmp_VehSpdRate_KphpS_M_f32	3910.15918
ullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-14.4844999
ullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.629425943
tte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
tte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
EnableHwAuthMin Uls f32	1
_EnableHwPosMax_HwDeg_f32	45
EnableHwTrqMax HwNm f32	2.79999995
EnableHwVelMax DegpS f32	10
	0.5
_EnableLatAccMax_MpSecSq_f32	
_EnableTime_mS_u32	2000
_EnableVehSpdMax_Kph_f32	60
_EnableVehSpdMin_Kph_f32	1
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	
_FiltDeadband_HwNm_f32	0.25
_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
_STLearnTimeDec_Sec_f32	45
_STLearnTimeInc_Sec_f32	45
_STLimit_HwNm_f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-6.7821002
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.157399997
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-970.638123
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	42
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	-6.77600002
rget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-6.35200024
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	1
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	154.066101
arget ActivePull Per1 VehicleYawRate DegpS f32.value	-41.8930016
arget_Pim_PullCmpLTComp_HwNm_f32	0.0305000003
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_	<u>lgc</u>	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSet	q_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_f	32	
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_lg	С	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwN	target_ActivePull_Per1_PullCmpShoTermInt	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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	-6.65532541	-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	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 3		
k_STResetHwTrq_HwNm_f32 k_STResetLatAcc_MpSecSq_f32	1		
	1		
k_STResetYawRate_DegpS_f32 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_Elapse	d 1051073280		
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentTime_ms_u32_CurrentT	m 141899008		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C	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_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	ty_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition	n_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_PullCmpCustLrngD		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs Hwf			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_		·	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph	_	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_D	DegpS_f32	
target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	I=	l
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_UIs_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	-
Tullomp_verifice rawitateov_begpo_w_oti.ov_ois_isz			



Test Step Call Trace				V
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)	I CV I
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
EnableHwAuthMin_Uls_f32	1
EnableHwPosMax_HwDeg_f32	45
EnableHwTrgMax HwNm f32	2.79999995
z_EnableHwVelMax_DegpS_f32	10
EnableLatAccMax MpSecSq f32	0.5
EnableTime mS u32	2000
EnableVehSpdMax Kph f32	160
:_EnableVehSpdMin_Kph_f32	60
	1
c_EnableVehSpdRateMax_KphpS_f32	1
x_EnableYawRateMax_DegpS_f32	
C_FiltDeadband_HwNm_f32	0.25
x_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
S_STIntInputLimit_HwNm_f32	3
x_STLearnTimeDec_Sec_f32	200
x_STLearnTimeInc_Sec_f32	45
C_STLimit_HwNm_f32	1
C_STOppSignTime_mS_u32	100
C_STResetHwPos_HwDeg_f32	45
z_STResetHwTrq_HwNm_f32	3
s_STResetLatAcc_MpSecSq_f32	1
STResetYawRate_DegpS_f32	1
z_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	0
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	4.7505002
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	0.463200003
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	-445.123688
arget ActivePull Per1 HandwheelVelocity HwRadpS f32.value	-36.6272011
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	6.32870007
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull Per1 PullCmpShoTermIntqtrStOffs HwNm f32.value	-4.02829981
arget ActivePull Per1 VehicleSpeedValid Cnt Igc.value	0
arget_ActivePull_Per1_verlicleSpeed.valid_Crit_igc.value	434.97229
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arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-99.0487976 1.70700005
arget_Pim_PullCmpLTComp_HwNm_f32	-1.70790005
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	3587731968
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	700,400,404





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cr	nt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec	:Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthor	ity_Uls_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32$	target_ActivePull_Per1_HandwheelPositio	n_HwDeg_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f$	32 target_ActivePull_Per1_HandwheelVelocit	y_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_PullCmpCustLrngl	Di_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_Hr	wNi target_ActivePull_Per1_PullCmpShoTerm	IntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNntractivePull_Per1_PullCmpShoTermIntgtrSt_HwNntractivePullActivePull_Per1_PullCmpShoTermIntgtrSt_HwNntractivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePul$	n_f: target_ActivePull_Per1_PullCmpShoTerm	IntgtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid	d_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kp	h_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 ± 0.00000001490116119384765625	•
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 ± 0.00000001490116119384765625	~
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_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u32_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_ElapsedTime_mS_u332_Elap$	3739958784		
$target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u32_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_CurrentTime_mS_u33_Curren$	m 4251832320		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C	:nt_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_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	y_Uls_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition	_HwDeg_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f3222222222222222222222222222222222222$	2 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_PullCmpCustLrngD	i_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_	gc	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs Hwf	target_ActivePull_Per1_PullCmpShoTermli	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm_IntgtrSt_HwNm$ IntgtrSt_HwNm_IntgtrSt_H	f: target_ActivePull_Per1_PullCmpShoTermli	ntgtrSt_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_D	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_UIs_f32	-5.3971529	-5.39715242 ± 0.00048828125	•
PullCmp_IncGain_Uls_M_f32	6.0000058e-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	•
	1	1	•
Pullomp Streset Cnt M igc			
PullCmp_STReset_Cnt_M_lgc PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	23.8973694	23.8973656 ± 0.00390625	-



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 Same	Input Value
PullCmp_DecGain_Uls_M_f32	0.000539999979
PullCmp_EnableLearn_Cnt_M_lgc	1
ullCmp_HwTorqueSTSV_HwNm_M_Str.SV_Uls_f32	6.94070005
ullCmp_HwTorqueSTSV_HwNm_M_Str.K_Uls_f32	0.715390444
ullCmp_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.89950001
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.161723629
ullCmp_IncGain_Uls_M_f32	2.04999997e-005
ullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1728
ullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	128
ullCmp_ResetPer1_Cnt_M_lgc	0
ullCmp_SComSTCompSet_Cnt_M_lgc	1
ullCmp_SComSTComp_HwNm_M_f32	-1.88779998
ullCmp_STComp_HwNm_M_f32	-1.84389997
ullCmp_STOppSignTime_mS_M_u32	1369
ullCmp_STStepSize_HwNm_M_f32	19141.4727
ullCmp_VehSpdRate_KphpS_M_f32	2859.92041
ullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-87.7661972
ullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
$te_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime)$	target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
te_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
te_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.7999995
EnableHwVelMax_DegpS_f32	10
EnableLatAccMax_MpSecSq_f32	0.5
EnableTime mS u32	2000
EnableVehSpdMax_Kph_f32	160
_EnableVehSpdMin_Kph_f32	60
_EnableVehSpdRateMax_KphpS_f32	1
_EnableYawRateMax_DegpS_f32	1
FiltDeadband_HwNm_f32	0.25
PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
STIntInputLimit_HwNm_f32	3
STLearnTimeDec Sec f32	45
STLearnTimeInc_Sec_f32	45
STLimit_HwNm_f32	1
STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
_STResetHwTrq_HwNm_f32	3
_STResetLatAcc_MpSecSq_f32	1
_STResetYawRate_DegpS_f32	1
_TotalLimit_HwNm_f32	0
arget ActivePull Per1 DisableLearning Cnt Igc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-0.367199987
arget ActivePull Per1 HandwheelAuthority Uls f32.value	0.6523
arget ActivePull Per1 HandwheelPosition HwDeg f32.value	1283.45117
riget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-8.29679966
rget ActivePull Per1 HwTorque HwNm f32.value	8.19089985
rget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	0
irget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
	6.94070005
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	6.94070005
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_Igc.value	
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	465.239594
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	107.263199
arget_Pim_PullCmpLTComp_HwNm_f32	-1.02960002
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapse	d 3914664192 m 2257933056





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSc	_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_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi_	_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg	С	
$target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpullCmpShoTermIntgtrStOffs_HwNinterpul$	target_ActivePull_Per1_PullCmpShoTermInte	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3000000000000000000000000000000000000$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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_UIs_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	0.10000001		
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 target ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNm f32.value	1.22899997		
target ActivePull Per1 VehicleSpeedValid Cnt Igc.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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_C	ant lac	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	-	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32	target_ActivePull_Per1_HandwheelPosition		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelVelocity		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngD	-	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_I		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermIr	ntgtrSt_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_D	egpS_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_UIs_f32	-0.726636052	-0.726636112 ± 0.00048828125	•
PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	1.46589279	1.46589279 ± 0.00048828125	•
PullCmp_IncGain_Uls_M_f32	6.0000058e-005	6.00000058e-005 ± 0.00000001490116119384765625	•
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	720	720 ± 0.0625	
PullCmp_PrevSTLearnTimeDec_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	-
0 1 1 1 1 V 1 1 V 1 V 1 V 1 V 1 V 1 V 1	1		



Test Step Call Trace				V
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	~

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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_UIs_f32	0.715390444
PullCmp_HwTorqueSV_HwNm_M_Str.SV_UIs_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
z_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
_EnableHwTrqMax_HwNm_f32	2.79999995
_EnableHwVelMax_DegpS_f32	10
EnableLatAccMax MpSecSq f32	0.5
EnableTime mS u32	2000
EnableVehSpdMax Kph f32	160
 _EnableVehSpdMin_Kph_f32	60
	1
 _EnableYawRateMax_DegpS_f32	1
FiltDeadband HwNm f32	0.25
z_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
STIntInputLimit_HwNm_f32	3
STLearnTimeDec Sec f32	45
STLearnTimeInc Sec f32	45
s_STLimit_HwNm_f32	1
STOppSignTime_mS_u32	30000
STResetHwPos_HwDeg_f32	45
STResetHwTrq_HwNm_f32	3
	1
:_STResetLatAcc_MpSecSq_f32	1
:_STResetYawRate_DegpS_f32	
x_TotalLimit_HwNm_f32	0
arget_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0
arget_ActivePull_Per1_DisableOutput_Cnt_lgc.value	1
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	10
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	51.4779015
arget_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-34.9676018
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	9.38440037
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-9.42080021
arget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	325.929108
arget_ActivePull_Per1_VehicleYawRate_DegpS_f32.value	-77.8945999
arget_Pim_PullCmpLTComp_HwNm_f32	0.71420002
arget_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	993250048
arget_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim	545678592
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cnt_lgc

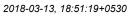




Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSec	Sq_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthorit	y_Uls_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelPosition_HwDeg_f32$	target_ActivePull_Per1_HandwheelPosition	_HwDeg_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_HandwheelVelocity_HwRadpS_f$	32 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_PullCmpCustLrngD	i_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_Hv	wNi target_ActivePull_Per1_PullCmpShoTermli	ntgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_HwNmpShoTermIntgtrSt_H$	n_f; target_ActivePull_Per1_PullCmpShoTermli	ntgtrSt_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_D	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	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	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				V
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)	▼ V
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_STIntgtrStCormGain_Uls_f32	0.100000001		
k_STIntInputLimit_HwNm_f32	3 45		
k_STLearnTimeDec_Sec_f32 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 -1.48660004		
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value 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			
target Rte Call Ap ActivePull SystemTime GetSystemTime mS u32 CurrentTim			
target Rte Inst Ap ActivePull.ActivePull Per1 DisableLearning Cnt Igc	target ActivePull Per1 DisableLearning Cn	t lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_	lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSo	q_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_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi	_Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_lgc	target_ActivePull_Per1_PullCmpEna_Cnt_lg		
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwNi			
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrSt HwNm f3			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_ target_ActivePull_Per1_VehicleYawRate_De		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32 target_Rte_Inst_Ap_ActivePull.Pim_PullCmpLTComp_HwNm_f32	target_Pim_PullCmpLTComp_HwNm_f32	egpS_132	
		Funcated Value	Daguit
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 ±	-
PullCmp PrevSTLearnTimeDec Sec M u12p4	720	0.0000001490116119384765625	
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4 PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	720 720	720 ± 0.0625 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	
	114	114 ± 1	•
PullChip STOppsignTime his M usz			
PullCmp_STOppSignTime_mS_M_u32 PullCmp_STReset Cnt M_lgc	1	1	✓
PullCmp_STReset_Cnt_M_lgc PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	96.6571732	1 96.6571732 ± 0.00390625	*

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 PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4	1.47000001e-005 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_UIs_f32 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_UIs_f32	121.930298 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	2.7999995
k_EnableHwVelMax_DegpS_f32	10
k_EnableLatAccMax_MpSecSq_f32	0.5
k_EnableTime_mS_u32	2000
k_EnableVehSpdMax_Kph_f32 k_EnableVehSpdMin_Kph_f32	160 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 k_STResetHwPos_HwDeg_f32	100 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 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-490.38681 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 target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_Elapsed	1.07739997
target_Rte_Call_Ap_ActivePull_SystemTime_Dtrime:apsedTime_inS_us2_Etapsed target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_us2_CurrentTim	
target Rte Inst Ap ActivePull.ActivePull Per1 DisableLearning Cnt Igc	target_ActivePull_Per1_DisableLearning_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_lgc
	target ActivePull Per1 EstLatAcc MpSecSq f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_Activer til_Fer1_EstEatAcc_ivipSecSq_i32
target_Rte_Inst_Ap_ActivePull.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_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32 target_ActivePull_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32 target_ActivePull_Per1_HandwheelPosition_HwDeg_f32 target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32





Name	Input Value		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	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_De	gpS_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	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	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	-

Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap Rte_Inst_Ap_ActivePull target_Rte_Inst_Ap k_EnableHwAuthMin_UIs_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	Input Value
PullCmp_HwTorqueSTSV_HwNm_M_Str.SV_UIs_f32 1.23889995 PullCmp_HwTorqueSTSV_HwNm_M_Str.K_UIs_f32 0.390457004 PullCmp_HwTorqueSV_HwNm_M_Str.K_UIs_f32 -2.5999999 PullCmp_HwTorqueSV_HwNm_M_Str.K_UIs_f32 0.641212404 PullCmp_IncGain_UIs_M_f32 2.16999997e-005 PullCmp_IncGain_UIs_M_f32 1984 PullCmp_PrevSTLeamTimeDec_Sec_M_u12p4 1984 PullCmp_PrevSTLeamTimeInc_Sec_M_u12p4 3200 PullCmp_ResetPer1_Cnt_M_Igc 0 PullCmp_SComSTCompSet_Cnt_M_Igc 0 PullCmp_SComSTComp_HwNm_M_f32 4 PullCmp_STOomp_HwNm_M_f32 4 PullCmp_STOoppSignTime_mS_M_u32 323 PullCmp_STStepSize_HwNm_M_f32 7974.50928 PullCmp_VehspdRate_KphpS_M_f32 1703.02661 PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_UIs_f32 125.301804 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_UIs_f32 125.301804 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_UIs_f32 125.301804 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_UIs_f32 127.302661 Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(CurrentTime) target_Rte_Call_Ap_Atipet_Nam_Ap_Sec_Sq_f32 45	in_Uls_M_f32 1.56999995e-005
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_IncGain_Uls_M_f32 1984 PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4 1984 PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4 3200 PullCmp_ResetPer1_Cnt_M_lgc 0 PullCmp_SComSTComp_HwInc_G 0 PullCmp_SComSTComp_HwNm_M_f32 4 PullCmp_STComp_HwNm_M_f32 -0.0626000017 PullCmp_STOppSignTime_ms_M_u32 323 PullCmp_VehspdRate_KphpS_M_f32 7974.50928 PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32 1703.02661 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32 125.301804 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32 125.301804 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32 126.301804 Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) target_Rte_Call_Ap_ Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap_ k_EnableHwNetMax_HwDeg_f32 45	eLearn_Cnt_M_lgc 1
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 125.301804 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32 125.301804 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32 125.301804 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32 125.301804 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32 1279846322 Rte_Call_Ap_ActivePull target_Rte_Call_Ap Rte_Call_Ap_ActivePull target_Rte_Call_Ap k_EnableHwVehMin_Uls_f32	queSTSV_HwNm_M_Str.SV_Uls_f32 1.23889995
PullCmp_HwTorqueSV_HwNm_M_Str.K_Uls_132 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 4 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 Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap Rk_EnableHwAuthMin_Uls_f32 4 k_EnableHwPosMax_HwDeg_f32 45 k_EnableHwPosMax_HwDeg_f32 45 k_EnableHwVelMax_DegpS_f32 10 k_EnableVehSpdMax_Kph_f32 0.5 k_EnableVehSpdMax_Kph_f32 60 k_EnableVehSp	queSTSV_HwNm_M_Str.K_Uls_f32 0.390457004
PullCmp_IncGain_Uls_M_f32 2.1699997e-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_SComSTCompSet_Cnt_M_lgc 0 PullCmp_SComSTComp_HwNm_M_f32 4 PullCmp_STComp_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 125.301804 PullCmp_VehicleYawRateMm_Uls_f32 125.301804 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32 125.301804 PullCmp_VehicleYawRateSV_DegpS_f32 126.001804 PullCmp_VehicleYawRateMax_DegpS_f32 126.001804 PullCmp_VehicleYawRateSV_DegpS	queSV_HwNm_M_Str.SV_Uls_f32 -2.5999999
PullCmp_PrevSTLearnTimeDec_Sec_M_u12p4 PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4 PullCmp_ResetPer1_Cnt_M_lgc PullCmp_SComSTCompSet_Cnt_M_lgc PullCmp_SComSTCompSet_Cnt_M_lgc PullCmp_SComSTComp_HwNm_M_f32 PullCmp_STComp_HwNm_M_f32 PullCmp_STComp_HwNm_M_f32 PullCmp_STOppSignTime_mS_M_u32 PullCmp_STStepSize_HwNm_M_f32 PullCmp_VehSpdRate_KphpS_M_f32 PullCmp_VehSpdRate_KphpS_M_f32 PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32 PullCmp_VehicleYawRateSV_DegpS_M_str.K_Uls_f32 PullCmp_VehicleYawRateMwa_Mas_DegpS_f32 PullCmp_VehicleYawRateMax_NeppS_f32 PullCmp_VehicleYawRateMax_NeppS_f32 PullCmp_VehicleYawRateMax_NeppS_f32 PullCmp_VehicleYawRateMax_NeppS_f32 PullCmp_VehicleYawRateMax_DegpS_f32 PullCmp_VehicleYawRateMax_DegpS_f32 PullCmp_Str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_str.M_st	queSV_HwNm_M_Str.K_Uls_f32 0.641212404
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 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 0.2083463222 Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) target_Rte_Call_Ap_ Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap_ Rte_Lnst_Ap_ActivePull target_Rte_Inst_Ap_ K_EnableHwAuthMin_Uls_f32 1 K_EnableHwPosMax_HwDeg_f32 45 K_EnableHwTrqMax_HwNm_f32 42.79999995 K_EnableHwVelMax_DegpS_f32 0.5 K_EnableLatAccMax_MpSecSq_f32 0.5 K_EnableTime_mS_u32 2000 K_EnableVehSpdMax_Kph_f32 60 K_EnableVehSpdMax_Kph_f32 60 K_EnableVehSpdRateMax_KphpS_f32 1 K_EnableVehSpdRateMax_KphpS_f32 1 K_EnableVehSpdRateMax_KphpS_f32 1 K_EnableVehSpdRateMax_KphpS_f32 1 K_EnableVehSpdRateMax_KphpS_f32 1 K_EnableVehSpdRateMax_KphpS_f32 1 K_EnableYawRateMax_DegpS_f32 1	n_UIs_M_f32 2.16999997e-005
PullCmp_ResetPer1_Cnt_M_lgc	[LearnTimeDec_Sec_M_u12p4 1984
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_UIs_f32 125.301804 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_UIs_f32 0.208346322 Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) target_Rte_Call_Ap Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap Rte_Inst_Ap_ActivePull target_Rte_Call_Ap k_EnableHwAuthMin_UIs_f32 1 k_EnableHwPosMax_HwDeg_f32 45 k_EnableHwTrqMax_HwNm_f32 2.79999995 k_EnableHwVelMax_DegpS_f32 10 k_EnableHwVelMax_DegpS_f32 0.5 k_EnableVehSpdMax_Kph_f32 60 k_EnableVehSpdRateMax_KphpS_f32 1 k_EnableVehSpdRateMax_DegpS_f32 1 k_EnableYawRateMax_DegpS_f32 1	FLeamTimeInc_Sec_M_u12p4 3200
PullCmp_SComSTComp_HwNm_M_f32 4 PullCmp_STComp_HwNm_Mf32 -0.0626000017 PullCmp_STComp_HwNm_Mf32 323 PullCmp_STStepSize_HwNm_M_f32 7974.50928 PullCmp_VehSpdRate_KphpS_M_f32 1703.02661 PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_UIs_f32 125.301804 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_UIs_f32 0.208346322 Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) target_Rte_Call_Ap_ Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap_ Rte_Inst_Ap_ActivePull target_Rte_Call_Ap_ k_EnableHwAuthMin_UIs_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_EnableVehSpdMax_Kph_f32 160 k_EnableVehSpdMin_Kph_f32 60 k_EnableVehSpdRateMax_KphpS_f32 1 k_EnableVehSpdRateMax_DegpS_f32 1	Per1_Cnt_M_lgc 1
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_UIs_f32 125.301804 PullCmp_VehicleYawRateSV_DegpS_M_Str.K_UIs_f32 0.208346322 Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) target_Rte_Call_Ap_Rte_Call_Ap_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_ActivePull_Ap_Ac	STCompSet_Cnt_M_lgc 0
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 Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap Rte_Inst_Ap_ActivePull target_Rte_lnst_Ap 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 60 k_EnableVehSpdRateMax_KphpS_f32 1 k_EnableVehSpdRateMax_KphpS_f32 1 k_EnableYawRateMax_DegpS_f32 1	STComp_HwNm_M_f32 4
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_ Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap_ Rte_Inst_Ap_ActivePull target_Rte_lnst_Ap_ 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_EnableVehSpdMax_Kph_f32 160 K_EnableVehSpdMin_Kph_f32 60 K_EnableVehSpdRateMax_KphpS_f32 1 K_EnableVehSpdRateMax_KphpS_f32 1 K_EnableVawRateMax_DegpS_f32 1	np_HwNm_M_f32 -0.0626000017
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 Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap Rte_Inst_Ap_ActivePull target_Rte_Call_Ap Rte_Inst_Ap_ActivePull target_Rte_Inst_Ap C_EnableHwAuthMin_Uls_f32 1 C_EnableHwPosMax_HwDeg_f32 45 C_EnableHwTrqMax_HwNm_f32 2.79999995 C_EnableHwVelMax_DegpS_f32 10 C_EnableLatAccMax_MpSecSq_f32 0.5 C_EnableTime_mS_u32 2000 C_EnableVehSpdMax_Kph_f32 160 C_EnableVehSpdMin_Kph_f32 60 C_EnableVehSpdRateMax_KphpS_f32 1 C_EnableVehSpdRateMax_DegpS_f32 1	/SignTime_mS_M_u32 323
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 Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap Rte_Inst_Ap_ActivePull target_Rte_Inst_Ap Rte_Inst_Ap_ActivePull target_Rte_Inst_Ap C_EnableHwAuthMin_Uls_f32 1 C_EnableHwPosMax_HwDeg_f32 45 C_EnableHwTrqMax_HwNm_f32 2.79999995 C_EnableHwVelMax_DegpS_f32 10 C_EnableLatAccMax_MpSecSq_f32 0.5 C_EnableTime_mS_u32 2000 C_EnableVehSpdMax_Kph_f32 160 C_EnableVehSpdMin_Kph_f32 60 C_EnableVehSpdRateMax_KphpS_f32 1 C_EnableYawRateMax_DegpS_f32 1	oSize_HwNm_M_f32 7974.50928
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32 0.208346322 Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) target_Rte_Call_Ap_Rte_Call_Ap_Rte_Call_Ap_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap_Rte_Lnst_Ap_Rte_Inst_Ap_Rte_Inst_Ap_ActivePull K_E_nableHwAuthMin_Uls_f32 1 K_E_nableHwPosMax_HwDeg_f32 45 K_E_nableHwTrqMax_HwNm_f32 2.79999995 K_E_nableHatAccMax_MpSecSq_f32 10 K_E_nableLatAccMax_MpSecSq_f32 0.5 K_E_nableVehSpdMax_Kph_f32 160 K_E_nableVehSpdMin_Kph_f32 60 K_E_nableVehSpdRateMax_KphpS_f32 1 K_E_nableVehSpdRateMax_KphpS_f32 1 K_E_nableVehSpdRateMax_DegpS_f32 1	dRate_KphpS_M_f32 1703.02661
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) target_Rte_Call_Ap Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap Rte_Inst_Ap_ActivePull target_Rte_Call_Ap 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_EnableVehSpdRateMax_KphpS_f32 1 k_EnableVehSpdRateMax_KphpS_f32 1 k_EnableYawRateMax_DegpS_f32 1	2YawRateSV_DegpS_M_Str.SV_UIs_f32 125.301804
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap_ActivePull Rte_Inst_Ap_ActivePull target_Rte_Inst_Ap_ActivePull C_EnableHwAuthMin_Uls_f32 1 C_EnableHwPosMax_HwDeg_f32 45 C_EnableHwTrqMax_HwNm_f32 2.79999995 C_EnableHwVelMax_DegpS_f32 10 C_EnableLatAccMax_MpSecSq_f32 0.5 C_EnableTime_mS_u32 2000 C_EnableVehSpdMax_Kph_f32 160 C_EnableVehSpdMin_Kph_f32 60 C_EnableVehSpdRateMax_KphpS_f32 1 C_EnableYawRateMax_DegpS_f32 1	2YawRateSV_DegpS_M_Str.K_Uls_f32 0.208346322
Rte_Inst_Ap_ActivePull target_Rte_Inst_Ap_ActivePull c_EnableHwAuthMin_Uls_f32 1 c_EnableHwPosMax_HwDeg_f32 45 c_EnableHwTrqMax_HwNm_f32 2.79999995 c_EnableHwVelMax_DegpS_f32 10 c_EnableLatAccMax_MpSecSq_f32 0.5 c_EnableTime_mS_u32 2000 c_EnableVehSpdMax_Kph_f32 160 c_EnableVehSpdMin_Kph_f32 60 c_EnableVehSpdRateMax_KphpS_f32 1 c_EnableYawRateMax_DegpS_f32 1	tivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTime) target_Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32_ElapsedTime
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	tivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime) target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTime
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	tivePull target_Rte_Inst_Ap_ActivePull
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	nMin_Uls_f32 1
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	Max_HwDeg_f32 45
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	Max_HwNm_f32 2.79999995
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	vlax_DegpS_f32 10
k_EnableVehSpdMax_Kph_f32 160 k_EnableVehSpdMin_Kph_f32 60 k_EnableVehSpdRateMax_KphpS_f32 1 k_EnableYawRateMax_DegpS_f32 1	Max_MpSecSq_f32 0.5
k_EnableVehSpdMin_Kph_f32 60 k_EnableVehSpdRateMax_KphpS_f32 1 k_EnableYawRateMax_DegpS_f32 1	nS_u32 2000
k_EnableYehSpdRateMax_KphpS_f32 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	JMax_Kph_f32 160
k_EnableYawRateMax_DegpS_f32 1	dMin_Kph_f32 60
	dRateMax_KphpS_f32 1
k FiltDeadhand HwNm f32	teMax_DegpS_f32 1
k_FiltDeadband_HwNm_f32 0.25	_HwNm_f32 0.25
k_PullCmp_STIntgtrStCorrnGain_Uls_f32 0.100000001	utgtrStCorrnGain_Uls_f32 0.100000001





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 Igc.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 Igc.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			
target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cn	t_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_l	gc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSo	1_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_		
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_f	32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_Igc	target_ActivePull_Per1_PullCmpCustLrngDi_	Cnt_lgc	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpEna_Cnt_Igc	target_ActivePull_Per1_PullCmpEna_Cnt_lge	C	
target Rte Inst Ap ActivePull.ActivePull Per1 PullCmpShoTermIntgtrStOffs HwN	target_ActivePull_Per1_PullCmpShoTermInter	gtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f3$	target_ActivePull_Per1_PullCmpShoTermInte	gtrSt_HwNm_f32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_lgc	target_ActivePull_Per1_VehicleSpeedValid_0	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_De	gpS_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 ±	✓
PullCmp PrevSTLearnTimeDec Sec M u12p4	720	0.00000001490116119384765625 720 ± 0.0625	_
	720	720 ± 0.0625 720 ± 0.0625	•
PullCmp_PrevSTLearnTimeInc_Sec_M_u12p4	0	0	
PullCmp_ResetPer1_Cnt_M_lgc			
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 DtrmnFlapsedTime 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_UIs_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
	10698.1855
PullCmp_STStepSize_HwNm_M_f32	
PullCmp_VehSpdRate_KphpS_M_f32	-3447.23413
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_UIs_f32	6.33710003
PullCmp_VehicleYawRateSV_DegpS_M_Str.K_Uls_f32	0.715390444
Rte_Call_Ap_ActivePull_SystemTime_DtrmnElapsedTime_mS_u32(ElapsedTi	
Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32(CurrentTime)	
Rte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
c_EnableHwAuthMin_Uls_f32	1
_EnableHwPosMax_HwDeg_f32	45
c_EnableHwTrqMax_HwNm_f32	2.79999995
c_EnableHwVelMax_DegpS_f32	10
C_EnableLatAccMax_MpSecSq_f32	0.5
<_EnableTime_mS_u32	2000
c_EnableVehSpdMax_Kph_f32	160
<_EnableVehSpdMin_Kph_f32	60
c_EnableVehSpdRateMax_KphpS_f32	1
k_EnableYawRateMax_DegpS_f32	1
k_FiltDeadband_HwNm_f32	0.25
 <_PullCmp_STIntgtrStCorrnGain_Uls_f32	0.10000001
k_STIntInputLimit_HwNm_f32	3
<_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
arget_ActivePull_Per1_EstLatAcc_MpSecSq_f32.value	-9.32719994
arget_ActivePull_Per1_HandwheelAuthority_Uls_f32.value	1
arget_ActivePull_Per1_HandwheelPosition_HwDeg_f32.value	778.636475
target_ActivePull_Per1_HandwheelVelocity_HwRadpS_f32.value	-6.94250011
arget_ActivePull_Per1_HwTorque_HwNm_f32.value	-1.13390005
arget_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc.value	1
arget_ActivePull_Per1_PullCmpEna_Cnt_lgc.value	1
target_ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNm_f32.value	-10
rarget_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc.value	0
arget_ActivePull_Per1_VehicleSpeed_Kph_f32.value	483.266205
arget ActivePull Per1 VehicleYawRate DegpS f32.value	-89.3407974
arget_Pim_PullCmpLTComp_HwNm_f32	0.614799976
target Rte Call Ap ActivePull SystemTime DtrmnElapsedTime mS u32 Ela	
arget_Rte_Call_Ap_ActivePull_SystemTime_BittifficapsedTime_fils_u32_Curre	
rarget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_Igc	target_ActivePull_Per1_DisableLearning_Cnt_Igc
rarget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_Igc	target_ActivePull_Per1_DisableOutput_Cnt_Igc
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecSq_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelAuthority_Uls_f32	target_ActivePull_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelPosition_HwDeg_ft	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HandwheelVelocity_HwRadpS	
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_HwTorque_HwNm_f32	target_ActivePull_Per1_HwTorque_HwNm_f32
arget_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc	target_ActivePull_Per1_PullCmpCustLrngDi_Cnt_lgc
arget_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_HwI	Nm_f: target_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_f32
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeedValid_Cnt_Igc	target_ActivePull_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleSpeed_Kph_f32	target_ActivePull_Per1_VehicleSpeed_Kph_f32
arget_Nte_inst_Ap_ActiveFull.ActiveFull Ferr VerlicleSpeed Nph 132	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_DegpS_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	-5.37825203	-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	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	~

Гest 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
ullCmp_ResetPer1_Cnt_M_lgc	1
PullCmp_SComSTCompSet_Cnt_M_lgc	1
rullCmp_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
ullCmp_VehSpdRate_KphpS_M_f32	2859.92041
PullCmp_VehicleYawRateSV_DegpS_M_Str.SV_Uls_f32	-32.854599
rullCmp VehicleYawRateSV DegpS M Str.K Uls f32	0.184165657
tte 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
tte_Inst_Ap_ActivePull	target_Rte_Inst_Ap_ActivePull
EnableHwAuthMin_Uls_f32	1
EnableHwPosMax HwDeg f32	45
EnableHwTrqMax HwNm f32	2.79999995
EnableHwVelMax DegpS f32	10
G EnableLatAccMax_MpSecSq_f32	0.5
EnableTime mS u32	2000
EnableVehSpdMax Kph f32	160
EnableVehSpdMin_Kph_f32	60
EnableVehSpdRateMax KphpS f32	1
EnableYawRateMax DegpS f32	1
_FiltDeadband_HwNm_f32	0.25
 _PullCmp_STIntgtrStCorrnGain_Uls_f32	0.100000001
_STIntInputLimit_HwNm_f32	3
STLearnTimeDec Sec f32	45
STLearnTimeInc Sec f32	45
STLimit HwNm f32	1
_STOppSignTime_mS_u32	100
_STResetHwPos_HwDeg_f32	45
STResetHwTrq_HwNm_f32	3
STResetLatAcc MpSecSq f32	
STResetYawRate DegpS f32	1

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Name	Input Value		
k_TotalLimit_HwNm_f32	0		
target_ActivePull_Per1_DisableLearning_Cnt_lgc.value	0		
target ActivePull Per1 DisableOutput Cnt Igc.value	0		
target ActivePull Per1 EstLatAcc MpSecSq f32.value	-2.06739998		
	0.540700018		
target_ActivePull_Per1_HandwheelAuthority_Uls_f32.value			
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			
target_Rte_Call_Ap_ActivePull_SystemTime_GetSystemTime_mS_u32_CurrentTim			
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableLearning_Cnt_lgc	target_ActivePull_Per1_DisableLearning_Cr		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_DisableOutput_Cnt_lgc	target_ActivePull_Per1_DisableOutput_Cnt_		
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_EstLatAcc_MpSecSq_f32	target_ActivePull_Per1_EstLatAcc_MpSecS	q_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_t	732	
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_lg	c	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_PullCmpShoTermIntgtrStOffs_HwNi	target_ActivePull_Per1_PullCmpShoTermInt	tgtrStOffs_HwNm_f32	
$target_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fstarget_Rte_Inst_Ap_ActivePull_ActivePull_Per1_PullCmpShoTermIntgtrSt_HwNm_fstarget_Rte_Inst_Ap_ActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullActivePullAct$	target_ActivePull_Per1_PullCmpShoTermInt	gtrSt_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_	<u>f</u> 32	
target_Rte_Inst_Ap_ActivePull.ActivePull_Per1_VehicleYawRate_DegpS_f32	target_ActivePull_Per1_VehicleYawRate_De	egpS_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	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	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	~